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Vol. 2. Part 1

MARCH, 1921

Number 9

BULLETIN OF THE NATIONAL RESEARCH COUNCIL

FUNDS AVAILABLE IN 1920 IN THE UNITED STATES
OF AMERICA FOR THE ENCOURAGEMENT
OF SCIENTIFIC RESEARCH

COMPILED BY THE RESEARCH INFORMATION SERVICE,
NATIONAL RESEARCH COUNCIL

CALLIE HULL
TECHNICAL ASSISTANT

PUBLISHED BY THE NATIONAL RESEARCH COUNCIL
OF
THE NATIONAL ACADEMY OF SCIENCES
WASHINGTON, D. C.
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I. INTRODUCTION

The Research Information Service of the National Research Council has assembled data concerning funds which are variously available for the support or encouragement of scientific research. It is planned to maintain an up-to-date file on this subject in the offices of the Research Council for the benefit alike of correspondents and of the Divisions of the Council. This bulletin is issued in order to render information concerning funds immediately and widely available to those interested in scientific research.

The funds listed are classified primarily according to use and secondarily according to institution. Under use, the categories employed in this bulletin are medals, prizes, grants, institutional funds, fellowships and scholarships. Federal and State funds for research are not included. The term institution is used throughout this bulletin to designate those nine types of organization which are grouped in three categories, as follows: A. Academies, associations, societies, and museums; B. Foundations, hospitals, and research institutes; C. Universities and colleges. In each of the informational sections of the bulletin the data are arranged

under institutions. A list of funds with essential information is presented under each institution. Section II presents data concerning medals and prizes available for the encouragement of research; Section III contains information concerning grants which are made, upon application, to individuals or institutions who desire to conduct a scientific investigation. Section IV similarly presents information concerning funds which are available for the support of research only within the institution or organization by which they are administered. Section V is devoted to those fellowships and scholarships in connection with which research is specifically mentioned. In Section VI, a subject index, are listed all of the funds which are known to be available for the support or encouragement of research in the biological, mathematical, and physical sciences and their applications. Section VII indexes all institutions mentioned in the bulletin and those funds which have distinctive titles. The latter are indicated by the last name, followed by the first name in parenthesis, as, for example, the Sloane (Thomas C.) Fund.

So far as possible, information has been obtained by direct appeal to the institutions which hold and administer research funds. Where this was impossible, the latest available reports, yearbooks, or catalogues have been consulted and institutions have been requested to verify and supplement the data of the Research Information Service. In most instances the information published herein is for the year 1920.

In Sections II and VI only those medals, prizes, fellowships and scholarships are included in connection with which specific mention of research is made. Ordinarily, this occurs in the name of the prize, medal, fellowship or scholarship, or in the announcement of terms of award. It is highly probable there are many additional graduate fellowships and scholarships which are regularly used for the support of scientific research, although no mention is made of that fact in the catalogue or yearbook.

Despite all efforts to render this list of funds complete and correct, it is certain that many errors and omissions exist. The Research Information Service will greatly appreciate the coöperation of the authorities of those organizations which hold or administer research funds and of all other readers of this bulletin in reporting any errors or omissions which they discover.

II. MEDALS AND PRIZES FOR RESEARCH

A. Academies, Associations, Societies and Museums; B. Foundations, Hospitals and Research Institutes; C. Universities and Colleges

A—ACADEMIES, ASSOCIATIONS, SOCIETIES AND MUSEUMS

Academy of Natural Sciences, Logan Square, Philadelphia, Pa.
HAYDEN MEMORIAL GEOLOGICAL MEDAL, for distinguished work in geology or paleontology. Triennial.

American Academy of Arts and Sciences, 28 Newbury St., Boston, Mass.
RUMFORD PREMIUM, for research on light and heat carried on in America. Established, 1796. Original fund, \$5,000. Present fund, \$67,072.05. Annually available, two medals and a fund not exceeding \$300.

American Academy of Medicine, Jenkins Arcade, Pittsburgh, Pa.
McINTIRE PRIZE, for best essay on "The effect of child labor on the growth of the child" (1921 topic). Established, 1918. Triennially available, \$250. (In 1922 this will probably be transferred to Lafayette College, Easton, Pa.)

American Association of Variable Star Observers, W. T. Olcott, Secretary, Norwich, Conn.
DAVID B. PICKERING NOVA MEDAL, for the first discoverer of a Nova. Established, 1918.

American Chemical Society, Chicago Section, R. J. Quinn, Secretary, 3314 West 67th St., Chicago, Ill.
WILLARD GIBBS MEDAL, for eminent work in and original contributions to pure or applied chemistry. Established, 1911. Present fund, \$7,500.

American Chemical Society, New York Section, 17 Battery Place, New York City.
WILLIAM H. NICHOLS MEDAL, for meritorious research in organic chemistry. Established, 1902. Present fund, \$1,700. Annually available, \$98.00.

American Electrochemical Society, S. S. Sadtler, Secretary, 39 South 10th St., Philadelphia, Pa.
FRENZEL PRIZE, for best essay on the rare minerals in America and their production. Annually available, \$250.

American Gastro-Enterological Association, Augustana Hospital, Chicago, Ill.
FUND OF \$1,000, for annual honoraria for meritorious research work in gastro-enterology. Established, 1920. Original fund, \$1,000. Present fund, \$1,000. Annually available, \$1,000.

American Genetic Association, 511 Eleventh St. N. W., Washington, D. C.
FRANK N. MEYER MEMORIAL MEDAL, for distinctive service in plant introduction. Established, 1918. Original fund, \$1,000.

American Geographical Society, Broadway at 156th St., New York City.
CHARLES P. DALY MEDAL, awarded to explorers, writers and men of science who have contributed to the advance of geographical knowledge. Established, 1902. Original fund, \$5,000. Awarded from time to time.

CULLUM GEOGRAPHICAL MEDAL, for distinguished service in geographical discovery or in advancement of geographical science. Established, 1896. Original fund, \$5,000. Awarded from time to time.

DAVID LIVINGSTONE CENTENARY MEDAL, for scientific achievement in the field of geography of the Southern hemisphere. Established, 1913.

S. F. B. MORSE MEDAL, for encouraging geographical research. Established, 1903. Original fund, \$1,000.

American Institute of Electrical Engineers, 33 West 39th St., New York City.

EDISON MEDAL, for meritorious achievement in electrical science, electrical engineering, or the electrical arts. Established, 1904. Original fund, \$5,000. Annually available, \$250.

American Institute of Homeopathy, 22 East Washington St., Chicago, Ill.

PHI ALPHA GAMMA GOLD MEDAL, for thesis based on original research, medical or surgical discovery.

American Institute of Mining and Metallurgical Engineers, 29 West 39th St., New York City.

PRESIDENT'S PRIZES, for best essays on some subjects relating to mining, economic geology, or metallurgy, by Junior Associate, or a member of an affiliated society. Special weight given to originality of investigation. Annually available, \$30 and \$20.

American Laryngological Association, 1021 Prospect Ave., Cleveland, Ohio.

DE ROALDES PRIZE (gold medal), to advance the science of laryngology and rhinology, in the United States and Canada, the medal is given to writer of original thesis. Established, 1908. Original fund, \$500. Present fund, \$700. Triennial.

American Laryngological, Rhinological, and Otological Society, Dr. W. H. Haskins, Secretary, 40 East 41st St., New York City.

ORIGINAL RESEARCH FUND, for the encouragement of research in laryngology, rhinology and otology. For essay written by members only. Original fund, \$500. Annually available, \$500 or part of it.

American Ophthalmological Society, 1819 Chestnut St. Philadelphia, Pa.

MEDAL FOR RESEARCH, in ophthalmology. Not confined to members. Established, 1919. Original fund, \$1,500. Present fund, \$1,500.

American Ornithologists' Union, T. S. Palmer, Secretary, 1939 Biltmore St. N. W., Washington, D. C.

BREWSTER MEMORIAL FUND, to encourage research in ornithology by an honorarium and medal to the author of the most important contribu-

tion to the subject during the two preceding years. Established, 1919. Original fund, \$5,200. First award in 1921.

American Pharmaceutical Association, 115 West 68th St., New York City.

EBERT PRIZE FUND, for essay containing an original investigation of medicinal substance, or for improved methods of determining merit. Established, 1873. Original fund, \$500. Present fund, \$1,181.94. Annually available, \$25.

American Philosophical Society, 104 South 5th St., Philadelphia, Pa.

MAGELLANIC GOLD MEDAL, for best discovery or invention annually in navigation, astronomy, or natural history. Established, 1786. Original fund, 200 guineas. Present fund, \$3,500. Annually available, \$139.25 (1918).

American Psychological Association, Edwin J. Boring, Secretary, Clark University, Worcester, Mass.

THOMAS A. EDISON PRIZE, for the most meritorious research on the effects of music in order to direct attention toward the importance of research in the psychology of music. Established, 1920. Original fund, \$500. Present fund, \$500. This prize is offered only for the year ending June 1, 1921 (for information regarding this prize address W. V. Bingham, Carnegie Inst., of Technology, Pittsburgh, Pa.).

American Roentgen Ray Society, Dr. H. E. Potter, Secretary, 122 South Michigan Ave., Chicago, Ill.

PRIZE OF \$1,000, for the most meritorious research in the field of radioactive substances. Established, 1920. Offered for 1920-21 only.

American Society of Civil Engineers, 220 West 57th St., New York City.

COLLINGWOOD PRIZE, for a paper describing an engineering work with which the writer has been directly connected, or a record of investigations contributing to engineering knowledge, some essential part of which was made by the writer. Restricted to Juniors of the Society. Established, 1894. Annually available, \$50.

JAMES R. CROES MEDAL, for a paper next in merit to that paper to which the Norman medal (q.v.) is awarded, and with same object. Established, 1912. Annually available, \$40.

NORMAN MEDAL, for a paper which shall be judged worthy of special commendation for its merit as a contribution to engineering science. Restricted to members.

Association of Military Surgeons of the United States, Army Medical Museum, Washington, D. C.

HENRY S. WELLCOME PRIZES (2 medals), for essays on prescribed sub-

jects. Restricted to Medical Officers and former Medical Officers of the Army, Navy, Public Health Service, Organized Militia, United States Volunteers, and of the Reserves of the United States Army.

Astronomical Society of the Pacific, San Francisco, California.

BRUCE MEDAL, for distinguished service in astronomy. Established, 1897. Present fund, \$3,300. Annually available, \$159.82.

DONAHOE COMET MEDAL, for the discovery of an unexpected comet. Established, 1890. Present fund, \$1,000. Annually available, \$38.30.

Boston Society of Natural History, 234 Berkeley St., Boston, Mass.

WALKER GRAND PRIZE, for discovery and investigation. Quinquennially available, \$1,000.

WALKER PRIZES (2), for best memoirs on subjects in natural history, to serve as an encouragement to the younger naturalists. Annually available, \$100 and \$50.

Boylston Medical Committee, Dr. W. F. Whitney, Chairman, Harvard Medical School, Boston, Mass.

BOYLSTON MEDICAL PRIZE AND GOLD MEDAL, for best essay which has original merit, on results of research in medicine, submitted on or before January 1, 1923. Open to all. Established, 1800. Triennially available, \$500.

Cleveland Medical Library Association, 2318 Prospect Ave., Chicago, Ill.

HAMILTON F. BIGGAR PRIZES (3), for best essay on clinical subject. Biennially available, \$600.

Franklin Institute, 15 South 7th St., Philadelphia, Pa.

BOYDEM PREMIUM, for research in the velocity of light waves. Original fund, \$1,000.

CRESSON MEDAL, for discoveries. Established, 1848. Original fund \$1,000.

JOHN SCOTT MEDAL FUND,* medal and premiums awarded from time to time for useful inventions that will advance chemical, medical, or any other science, or promote the development of industry in any form. Established, 1816. Original fund, about \$4,000. Present fund, about \$100,000. Annually available, \$4,000 or more.

FRANKLIN MEDAL, for research in physical science or technology, awarded without regard to country, to the individual whose efforts in the opinion of the Institute have done most to advance the knowledge of physical science or its applications. Established, 1914.

LONGSTRETH MEDAL, for invention. Established, 1890. Original fund, \$1,000.

* This fund is administered by the Philadelphia Board of City Trusts. Formerly awards were made on recommendation of the Franklin Institute.

Geographical Society of Philadelphia, 1520 Chestnut St., Philadelphia, Pa.

ELISHA KENT KANE MEDAL, for important geographical exploration or research made during the twenty-four months preceding the award. Established, 1893.

Glass Container Association of America, 3344 Michigan Ave., Chicago, Ill.

AWARDS (7), for theses submitted prior to June 10, 1921, to stimulate more general research along the lines of better preparation and packing of foods and beverages, and to increase our knowledge of changes induced by preparation or storage of such products. Established, 1920. Annually available, \$50-\$150.

Maryland Academy of Sciences, Baltimore, Md.

MEDALS, awarded from time to time in recognition of scientific work and civic service.

Masons, Kane Lodge, No. 454, 46 West 24th St., New York City.

KANE LODGE MEDAL, for those who by preeminent achievement have added to the knowledge of mankind in those parts of the earth's surface unexplored or undeveloped. Established, 1920. Original fund, \$4,020.50.

Mining and Metallurgical Society of America, 115 Broadway, New York City.

GOLD MEDAL, for conspicuous professional or public service for the advancement of mining and metallurgy, or of economic geology; for the betterment of conditions, and the safety and health of workmen therein. Established, 1914.

Naples Table Association, Dr. Florence Sabin, Secretary, Johns Hopkins University, Baltimore, Md.

ELLEN H. RICHARDS RESEARCH PRIZE, for best thesis on a scientific subject, embodying new observations and conclusions based on independent laboratory research. Open only to women. Established, 1900. Original fund, \$1,000. Present fund, \$1,000. Biennially available, \$1,000.

National Academy of Sciences, Washington, D. C.

AGASSIZ MEDAL (from Murray Fund), for contributions to oceanography. Established, 1911. Original fund, \$6,000. Present fund, \$6,000. Annually available, \$335.

BARNARD GOLD MEDAL, for meritorious service to science. Quinquennially available, not less than \$200.

CYRUS B. COMSTOCK PRIZE, for researches in electricity, magnetism and radiant energy. Established, 1907. Original fund, \$11,300. Present fund, \$12,406. Annually available, \$822.

DANIEL GIRAUD ELLIOT MEDAL, awarded to author of leading publica-

tion of year in zoölogy or paleontology. Present fund, \$8,000. Annually available, \$442.

HENRY DRAPER MEDAL, for notable investigations in astronomical physics. Established, 1883. Original fund, \$6,000. Present fund, \$10,000. Annually available, \$544.

J. C. WATSON MEDAL, for research in astronomy. Established, 1874. Original fund, \$13,757. Present fund, \$25,000. Annually available, \$1,182.

LAWRENCE SMITH MEDAL, for important investigations of meteoric bodies. Established, 1884. Original fund, \$8,000. Present fund, \$10,000. Annually available, \$605.

MARCELLUS HARTLEY PUBLIC WELFARE MEDAL, for eminence in applications of science in conservation; selection and distribution of food. Established, 1913. Original fund, \$1,200. Present fund, \$1,200. Annually available, \$65.

MARY CLARK THOMPSON GOLD MEDAL, for most important services to geology and paleontology. Established, 1919. Original fund, \$10,000.

National Anesthesia Research Society, T. T. Frankenberg, Secretary, 16 East Broad St., Columbus, Ohio.

PRIZE OF \$200, for best work on anesthesia. Established, 1920. Original fund, \$200. Present fund, \$200. Annually available, \$200.

National Geographic Society, Washington, D. C.

HUBBARD GOLD MEDAL, for distinguished geographical discovery and for important contributions to the world's knowledge. Established, 1888.

SPECIAL GOLD MEDAL, for distinguished geographical discovery and for important contributions to the world's knowledge. Established, 1888.

New York Academy of Medicine, 17 West 43rd St., New York City.

GIBBS MEMORIAL PRIZE. Present fund, \$17,259. Annually available, \$728.

New York State Association of the Medical Reserve Corps, U. S. A.,

GORGAS MEDAL, for the best essay showing original research in preventive medicine. Established, 1918. Open to members of the Medical Corps, U. S. A., of the organized militia, and to the Medical Reserve Corps. For information address Editor, Military Surgeon, Washington, D. C.

Safety Institute of America, 18 West 24th St., New York City.

SEAMAN MEDAL, for progress and achievement in promotion of hygiene and mitigation of occupational diseases.

SCIENTIFIC AMERICAN MEDAL, for invention of most efficient safety device.

Society of Chemical Industry, American Section, Allen Rogers, Secretary, Pratt Institute, Brooklyn, N. Y.

GRASSELLI MEDAL, for thesis presented before the Society and offering the most useful suggestions in applied chemistry.

PERKIN MEDAL, for the most valuable work in applied chemistry. Established, 1906.

Southern Medical Association, Dr. Seale Harris, Secretary, Birmingham, Ala.

RESEARCH MEDAL, for meritorious and original work, provided the member has made contributions to medical science of sufficient importance to merit this distinction. Established, 1912. Annually available, \$20.

United Engineering Societies, Charles F. Rand, Secretary, Board of Award, 71 Broadway, New York City.

JOHN FRITZ MEDAL, for notable scientific or industrial achievement. No restrictions on account of nationality or sex.

Western Society of Engineers, 1735 Monadnock Block, Chicago, Ill.
ROBERT W. HUNT AWARD, for best paper on the manufacture and fabrication of steel, or its products. Restricted to members under 35.

B—FOUNDATIONS, HOSPITALS AND RESEARCH INSTITUTES

Smithsonian Institution, Washington, D. C.

HODGKINS GOLD MEDAL, for important contributions to the knowledge of the nature and properties of atmospheric air, or for practical applications of existing knowledge to the welfare of mankind. Established, 1893. Annually available, about \$250.

LANGLEY MEDAL, for specially meritorious investigations in connection with the science of aerodromics and its application to aviation. Established, 1908. Annually available, about \$250.

C—UNIVERSITIES AND COLLEGES

Chicago, University of, Chicago, Ill.

HOWARD T. RICKETTS PRIZE, for research in pathology and bacteriology. Established 1912. Original fund, \$5,000. Present fund, \$5,000. Annually available, \$250.

MEDICAL SCHOLARSHIPS AS PRIZES TO UNDERGRADUATES, for research in medicine, or one of the sciences fundamental to it. Not limited to University. Annually available, 1st prize, \$225; 2nd prize, \$150; 3rd prize, \$75.

MEDICAL SCHOLARSHIP AS PRIZE TO GRADUATE, to encourage research in medicine. Annually available, \$225.

ROSENBERGER MEDAL, for achievement in research in authorship, invention, discovery, unusual public service, or anything deemed of great benefit to humanity. Not limited to University. Established, 1917. Present fund, \$2,000. Annually available, \$100.

Columbia University, New York City.

BARNARD GOLD MEDAL, rewarded on recommendation of National Academy of Sciences to any person who within the five preceding years has made a worthy discovery in physical or astronomical science, or such novel application of science as to be beneficial to the human race. (Also listed under National Academy of Sciences.) Quinquennially available, not less than \$200.

COCK PRIZE, for the best thesis on puerperal fever. Established, 1915. Present fund, \$1,000. Annually available, \$50.62.

LOUBAT PRIZES, for best work in English on the history, geography, archaeology, ethnology, philology, or numismatics of North America. Topics must refer to events prior to 1776 or antiquarian research. Not restricted to the University. Established, 1892. Present fund, \$7,000. Quinquennially available, 1st prize, \$1,000; 2nd prize, \$400.

SMITH PRIZE, for best essay on a subject assigned by the College of Physicians and Surgeons. Annually awarded, \$100.

STEVENS PRIZE, for best medical essay covering original research. Not restricted to the University. Established, 1891. Present fund, \$1,800. Triennially available, \$200.

College of Physicians and Surgeons, John H. Girvin, Secretary, 22nd St., Philadelphia, Pa.

ALVARENGA PRIZE, for essay on medical subject. Not limited to the College. Annually available, \$250.

Cornell University, Ithaca, New York.

CRANDALL PRIZES, for the encouragement of research in civil engineering. Established, 1916. Original fund, \$2,500. Annually available, 1st prize, \$100; 2nd prize, \$25.

FUERTES GRADUATE MEDAL, for a meritorious paper written by a graduate student on some engineering subject. Established, 1893. Original fund, \$500. Annually available, \$25.

MESSENGER MEMORIAL PRIZE, for essay showing best research and most fruitful thought in the field of human progress or the evolution of civilization during some period of human history, or during human history as a whole. Established, 1902. Present fund, \$5,000. Annually available, \$250.

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Harvard University, Cambridge, Mass.

BOWDOIN PRIZES, for dissertations in any special field of learning. Two prizes for dissertations in science. Established, 1791. Present fund, \$36,707.21. Annually available, \$1,835.21. (\$200 for each prize.)

BOYLSTON PRIZE AND MEDAL, for best essay on results of research in medicine. Established, 1803. Triennially available, \$500. Competition open to all.

FLATTERY MEDAL, for the person who makes a discovery in any branch of science resulting in greatest good to humanity in the prevention of disease or preservation of health in the broadest sense. Established, 1918. Original fund, \$7,500. Annually available, Medal and \$525. Competition open to all.

OTOLOGICAL PRIZE, for best thesis showing original work on an otological subject. Annually available, \$25. Open to fourth year students.

ROBERT TREAT PAINE FUND, for rewards by medals or otherwise, for discovery of new comets, planets, or for essays on valuable subjects. Established, 1886. Present fund, \$273,932. Annually available, \$14,025.

Johns Hopkins University, Baltimore, Md.

SYLVESTER PRIZE (medal), for research in mathematics.

New York University, New York City.

WILLIAM A. HOE, JR., ENGINEERING PRIZE, for best work in sanitary investigation. Established, 1897. Original fund, \$1,000. Annually available, \$60.

Philadelphia Academy of Surgery, Philadelphia, Pa.

SAMUEL D. GROSS PRIZE, for best paper on some subject of surgical pathology or surgical practice, based on original investigation. Only restriction is that candidates must be American citizens. Established, 1886. Quinquennially available, \$1,500.

Philadelphia College of Physicians and Surgeons. *See College of Physicians and Surgeons*, Philadelphia.

Princeton University, Princeton, N. J.

CHARLES IRA YOUNG MEMORIAL MEDAL, for excelling in research in electrical engineering. Awarded annually.

Williams College, Williamstown, Mass.

CLARK PRIZE SCHOLARSHIPS (2), for general ability and interest in scholarly research. Annually available, \$1,000.

CONANT-HARRINGTON PRIZE, for interest in biological research. Applied toward table at Marine Biological Laboratory, Woods Hole, Mass. Annually available, \$25.

III. GRANTS FOR RESEARCH

Funds generally available to individuals or Institutions to promote or encourage research in: A. Academies, associations, societies and museums; B. Foundations, hospitals and research institutes; C. Universities and colleges

A—ACADEMIES, ASSOCIATIONS, SOCIETIES AND MUSEUMS

American Academy of Arts and Sciences, 28 Newbury St., Boston, Mass.

RUMFORD FUND, for grants to carry on research in light and heat in America. Established, 1796. Original fund, \$5,000. Present fund, \$67,072. Annually available, a sum not exceeding \$300.

C. M. WARREN FUND, for research in chemistry. Established, 1892. Original fund, \$6,000. Present fund, \$13,289. Annually available, \$1,254.

American Association for the Advancement of Science, Burton E. Livingston, Permanent Secretary, Smithsonian Institution, Washington, D. C.

PERMANENT FUND, for grants for scientific research. Present fund, \$118,424. Annually available, \$4,000.

American Association of State Highway Officials, Chapel Hill, N. C.
SMALL FUNDS available to aid research in highway problems.

American Medical Association, Committee on Scientific Research, 535 North Dearborn St., Chicago, Ill.

APPROPRIATION FOR GRANTS, to further meritorious research in subjects relating to scientific medicine and of practical interest to the medical profession which otherwise could not be carried on to completion. Established, 1920. Annually available, \$1,000 to \$2,000 for grants of \$100 to \$400 each.

American Medical Association, Council on Chemistry and Pharmacy, 535 North Dearborn St., Chicago, Ill.

FUND OF COMMITTEE ON THERAPEUTIC RESEARCH, used in connection with chemical investigations conducted by accredited research workers. Annually available, \$2,000.

American Microscopical Society, P. S. Welch, Secretary, University of Michigan, Ann Arbor, Mich.

SPENCER-TOLLES FUND, to stimulate and aid research in microscopic work. Restricted to members. Established, 1884. Original fund, \$25. Present fund, \$5,958. Annually available, \$402.

American Museum of Natural History, 77th and Central Park West, New York City.

MORRIS K. JESUP FUND, for promotion of research, exploration and publication. Present fund, \$6,672,323 (1918). Annually available, \$278,-036 (1918).

SPECIAL FUNDS ACCOUNT, used in part to aid research in natural history. Present fund, \$53,884. Annually available, \$24,600 (1918).

American Pharmaceutical Association, 115 West 68th St., New York City.

CENTENNIAL FUND, to aid in the prosecution of original investigations. Established, 1877. Original fund, \$1.107. Present fund, \$3,176.

FUND OF \$450 to aid pharmaceutical research. Established, 1920.

RESEARCH FUND, to encourage investigation and research upon any subject relating to pharmacy or to the collateral sciences. Established, 1916. Original fund, \$7,043. Present fund, \$11,102. Annually available, fifty per cent of the income until the sum reaches \$100,000, and then the entire income.

Association for Improving the Condition of the Poor, New York City. Occasional grants for research.

Association of American Geographers, Richard E. Dodge, Secretary, Storrs, Conn.

FUND OF \$3,000 which this Association, in conjunction with the American Geographical Society, plans to allow to grow until the annual income is \$200, when it will be available for the assistance of members in carrying on research.

Brooklyn Institute of Arts and Sciences, Brooklyn, N. Y.

BIOLOGICAL LABORATORY OF THE BROOKLYN INSTITUTE OF ARTS AND SCIENCES. Funds for biological research in the laboratory at Cold Spring Harbor, N. Y. Established 1890. Present fund, \$27,500. Annually available, \$2,500.

Ecological Society of America, Dr. A. O. Weese, Secretary, Albuquerque, N. M.

SMALL AMOUNTS for coöperative research on ecological problems difficult or impossible of solution in the hands of a single individual.

Elizabeth Thompson Science Fund Committee, Dr. W. B. Cannon, Chairman, Harvard Medical School, Boston, Mass.

ELIZABETH THOMPSON SCIENCE FUND, for use in the promotion of science through small grants, preference given to researches involving international coöperation. Established, 1885. Original fund, \$25,000. Present fund, \$26,000. Annually available, \$1,200 (1916).

Entomological Society of America, J. M. Aldrich, Secretary, National Museum, Washington, D. C.

THOMAS SAY FOUNDATION, for the publication of scientific monographs. Present fund, \$250.

Indiana Academy of Sciences, 324 S. Ritter Ave., Indianapolis, Ind.

RESEARCH ENDOWMENT FUND, for assistance in research. Investigations in pure science given preference. Established, 1919. (This plan has been adopted, but has not yet been put in operation.)

Institute of Radio Engineers, A. N. Goldsmith, Secretary, College of the City of New York, New York City.

MORRIS LIEBMANN MEMORIAL FUND, to encourage research and invention in the radio field. Established, 1919. Original fund, \$10,000. Annually available, \$425.

Museum of the American Indian, Broadway at 155th St., New York City.

HEYE FOUNDATION, for research in archaeology and ethnology of the American Aborigines. Secretary of the Foundation, Frederic K. Seward, 30 Broad St., New York City.

National Academy of Sciences, Washington, D. C.

A. D. BACHE FUND, for research in physical and natural sciences. Established, 1870. Original fund, \$40,515. Present fund, \$59,000. Annually available, \$3,323.

BENJAMIN APTHORP GOULD FUND, for research in astronomy. Established, 1897. Original fund, \$20,000. Present fund, \$20,000. Annually available, \$1,888.

HENRY DRAPER FUND, to aid research in astronomical physics. Established, 1883. Original fund, \$6,000. Present fund, \$10,000. Annually available, \$544.

JAMES C. WATSON FUND, for research in astronomy. Established, 1874. Original fund, \$13,757. Present fund, \$25,000. Annually available, \$1,182.

JOSEPH HENRY FUND, for original research in the sciences. Established, 1878. Original fund, \$40,000.

LAWRENCE SMITH FUND, for important investigations of meteoric bodies. Established, 1884. Original fund, \$8,000. Present fund, \$10,000. Annually available, \$605.

O. C. MARSH FUND, for research in natural science. Established, 1899. Original fund, \$9,400. Present fund, \$19,500. Annually available, \$1,037.

WOLCOTT GIBBS FUND, for research in chemistry. Established, 1892. Original fund, \$2,600. Present fund, \$5,545. Annually available, \$308.

National Canners Association, 1739 H St., N. W., Washington, D. C.
GRANTS, for chemical, bacteriological and technological research relating to the manufacture of canned foods, systematic study of food poisons as applied to canned foods, but not limited to this phase, and the study of botulism.

National Committee for Mental Hygiene, 50 Union Square, New York City.

STUDIES AND SURVEYS FUND, for surveys of the care and treatment of mental diseases, for studies in mental deficiency, and for studies in the psycho-pathology of crime. Established, 1912. Original fund, \$50,000. Present fund, \$60,000.

National Geographic Society, 16th and M Sts., Washington, D. C.
RESEARCH FUND, to collect original geographical knowledge by equipping

and sending parties into the field. Established, 1888. Appropriation made by Committee on Research in each case.

National Research Council, 1701 Massachusetts Ave., Washington, D. C.

OCCASIONAL GRANTS for research in the natural and physical sciences.

New York Academy of Sciences, 77th St. and Central Park, West, New York City.

CENTENNIAL ENDOWMENT FUND, for scientific research when it reaches the sum of \$100,000. Present fund, \$8,327.

ESTHER HERMANN RESEARCH FUND, for research in any branch of science. Established, 1899. Original fund, \$10,000.

JOHN STRONG NEWBERRY FUND, for research in geology, paleontology, botany or zoölogy. Established, 1897. Original fund, \$1,200.

Research Corporation, 31 West 43rd St., New York City.

GRANTS, for distribution to educational institutions, other organizations, or to individuals for the advancement and promotion of scientific enterprises.

Seismological Society of America, S. D. Townley, Secretary, Stanford, Calif.

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE FUND, for the immediate investigation of earthquakes occurring on the Pacific Coast in the United States. Established, 1919. Original fund, \$250. (\$250 was given in 1919 and 1920, and it is hoped that this will be made an annual contribution.)

United Engineering Societies, Engineering Foundation, 29 West 39th St., New York City.

AMBROSE SWASEY FUND, for the advancement of the engineering arts and sciences in all their branches to the greatest good of the engineering profession and for the benefit of mankind. Established, 1915. Original fund, \$200,000. Present fund, \$500,000.

United States Interdepartmental Social Hygiene Board, 1800 Virginia Ave., Washington, D. C.

SCIENTIFIC RESEARCH FUND, for the discovery of better medical methods in the prevention and treatment of venereal diseases. Established, 1918. Original fund, \$100,000. Present fund, \$25,000.

NOTE: This Federal fund is included as it is expended entirely without Federal agencies.

B—FOUNDATIONS, HOSPITALS AND RESEARCH INSTITUTES

Carnegie Institution of Washington, Washington, D. C.

MINOR GRANTS. Available for 1920, \$117,050.

Subscription to Marine Biological Laboratory, Woods Hole, Mass., for research in biology.

Engineering Foundation. *See United Engineering Societies.*

General Education Board, 61 Broadway, New York City.

APPROPRIATIONS are made to conduct educational research, using the word educational in its broadest significance.

John McCormick Institute for Infectious Diseases, Chicago, Ill.

FENGER MEMORIAL FUND, to aid medical investigation. Established, 1910. Present fund, \$11,000. Annually available, \$400 to \$500.

Rockefeller Foundation, New York City.

APPROPRIATIONS are made to two types of agencies by the Rockefeller Foundation, *i. e.*, those agencies which it creates to carry out specific programs, and other existing organizations, unaffiliated with the Foundation, to which it makes appropriations in order to enable them to carry out specific programs. Annually available, about \$15,000,000 (1918).

Rockefeller Institute for Medical Research, New York City.

GRANTS are made for a single academic year ending June 30, unless otherwise agreed, and are limited largely to the support of investigations related to studies conducted at the Institute.

SUBSCRIPTION to Marine Biological Laboratory, Woods Hole, Mass., for research in biology.

Smithsonian Institution, Washington, D. C.

HODGKINS FUND, for the increase and diffusion of more exact knowledge in regard to the nature and properties of atmospheric air in connection with the welfare of man. Established, 1891. Original fund, \$100,000. Present fund, \$100,000. Annually available, \$6,000 in small grants.

SMITHSONIAN INSTITUTION FUND, from which small grants are sometimes made to scientific investigators.

C—UNIVERSITIES AND COLLEGES

Bowdoin College, Brunswick, Me.

SUBSCRIPTION to Marine Biological Laboratory, Woods Hole, Mass., for research in biology.

Bryn Mawr College, Bryn Mawr, Pa.

SUBSCRIPTION to Marine Biological Laboratory, Woods Hole, Mass., for research in biology.

Butler College, Indianapolis, Ind.

SUBSCRIPTION to Marine Biological Laboratory, Woods Hole, Mass., for research in biology.

California, University of, Berkeley, Calif.

SCRIPPS INSTITUTION FOR BIOLOGICAL RESEARCH. Annual gift for research in marine biology. Annually available, \$35,500.

Chicago, University of, Chicago, Ill.

SUBSCRIPTION to Marine Biological Laboratory, Woods Hole, Mass., for research in biology.

Cincinnati, University of, Cincinnati, Ohio.

SUBSCRIPTION to Marine Biological Laboratory, Woods Hole, Mass., for research in biology.

Clark University, Worcester, Mass.

ELIZA D. DODGE FUND, to aid graduate students engaged in research. Original fund, \$1,000.

College of Physicians and Surgeons of Philadelphia, Philadelphia, Pa.
FUND OF \$500, open to medical profession and men of science in the United States for report of research on a subject of general medicine.

Columbia University, New York City.

SUBSCRIPTION to Marine Biological Laboratory, Woods Hole, Mass., for research in biology.

Connecticut College, New London, Conn.

SUBSCRIPTION to Marine Biological Laboratory, Woods Hole, Mass., for research in biology.

Cornell University, Ithaca, N. Y.

AUGUST HECKSCHER FOUNDATION, for the promotion of research. Established, 1920. Original fund, \$500,000.

SUBSCRIPTION to Marine Biological Laboratory, Woods Hole, Mass., for research in biology.

Creighton University, Omaha, Neb.

SUBSCRIPTION to Marine Biological Laboratory, Woods Hole, Mass., for research in biology.

Dartmouth College, Hanover, N. H.

SUBSCRIPTION to Marine Biological Laboratory, Woods Hole, Mass., for research in biology.

Doane College, Crete, Neb.

SUBSCRIPTION to Marine Biological Laboratory, Woods Hole, Mass., for research in biology.

Goucher College, Baltimore, Md.

SUBSCRIPTION to Marine Biological Laboratory, Woods Hole, Mass., for research in biology.

Harvard University, Cambridge, Mass.

ADVANCEMENT OF ASTRONOMICAL SCIENCE FUND, for aiding work of astronomers in any part of the world. Established, 1901. Present fund, \$4,263. Annually available, \$491.

ADVANCEMENT OF ASTRONOMICAL SCIENCE FUND, for aiding astronomers

in any part of the world. Established, 1902. Annually available, \$1,013.
HENRY C. WARREN FUND, for carrying on exploration. Established, 1899. Original fund, \$10,000. Present fund, \$10,631. Annually available, \$522.

SHALER MEMORIAL FUND, for original research in geology in the broadest sense, including paleontology, mineralogy, economic geology, etc., Established, 1907. Present fund, \$38,691.

SUBSCRIPTION to Marine Biological Laboratory, Woods Hole, Mass., for research in biology.

Hunter College, New York City.

SUBSCRIPTION to Marine Biological Laboratory, Woods Hole, Mass., for research in biology.

Illinois, University of, Urbana, Ill.

SUBSCRIPTION to Marine Biological Laboratory, Woods Hole, Mass., for research in biology.

UNIVERSITY BIOLOGICAL EXPERIMENT STATION. Funds for biological research at the station at Havana, Ill.

Indiana, University of, Indianapolis, Ind.

UNIVERSITY OF INDIANA BIOLOGICAL STATION. Funds for biological research at the station at Winona Lake, Ind. Established, 1895.

Iowa, University of, Iowa City, Iowa.

OKOBOJI LAKESIDE LABORATORY. Maintained for three months during the summer exclusively for research work for the staff and graduate students.

Johns Hopkins University, Baltimore, Md.

SUBSCRIPTION to Marine Biological Laboratory, Woods Hole, Mass., for research in biology.

Kansas, University of, Lawrence, Kan.

SUBSCRIPTION to Marine Biological Laboratory, Woods Hole, Mass., for research in biology.

Knox College, Galesburg, Ill.

SUBSCRIPTION to Marine Biological Laboratory, Woods Hole, Mass., for research in biology.

Lake Forrest College, Lake Forrest, Ill.

SUBSCRIPTION to Marine Biological Laboratory, Woods Hole, Mass., for research in biology.

Leland Stanford Junior University, Stanford, Calif.

HOPKINS MARINE LABORATORY OF STANFORD UNIVERSITY. Funds for biological research in the laboratory at Pacific Grove, Calif. Established 1892. Annually available about \$2,500.

Michigan, University of, Ann Arbor, Mich.

BIOLOGICAL STATION OF THE UNIVERSITY OF MICHIGAN. Funds for biological research in the laboratory at Topinabee, Mich.

SUBSCRIPTION to Marine Biological Laboratory, Woods Hole, Mass., for research in biology.

Missouri, University of, Columbia, Mo.

SUBSCRIPTION to Marine Biological Laboratory, Woods Hole, Mass., for research in biology.

Mount Holyoke College, South Hadley, Mass.

SUBSCRIPTION to Marine Biological Laboratory, Woods Hole, Mass., for research in biology.

Oberlin College, Oberlin, Ohio.

SUBSCRIPTION to Marine Biological Laboratory, Woods Hole, Mass., for research in biology.

Ohio State University, Columbus, Ohio.

LAKE LABORATORY. Funds for biological research in the laboratory at Put-in-Bay, Ohio. Established 1895. Annually available, \$2,300.

Pennsylvania, University of, Philadelphia, Pa.

SUBSCRIPTION to Marine Biological Laboratory, Woods Hole, Mass., for research in biology.

Philippines, University of, Manila, P. I.

SUBSCRIPTION to Marine Biological Laboratory, Woods Hole, Mass., for research in biology.

Phillips Academy, Andover, Mass.

ROBERT SINGLETON PEABODY FUND, for American archaeology. Established, 1901. Original fund, \$150,000. Present fund, \$458,214.96. Annually available, \$21,122.74.

Pomona College, Claremont, Calif.

LAGUNA MARINE LABORATORY. Funds for biological research in the laboratory at Laguna Beach, Calif. Established 1910. Original fund, about \$6,000. Annually available, \$500-\$800.

Princeton University, Princeton, N. J.

SUBSCRIPTION to Marine Biological Laboratory, Woods Hole, Mass., for research in biology.

Radcliffe College, Cambridge, Mass.

SUBSCRIPTION to Marine Biological Laboratory, Woods Hole, Mass., for research in biology.

Rice Institute, Houston, Tex.

SUBSCRIPTION to Marine Biological Laboratory, Woods Hole, Mass., for research in biology.

Rochester, University of, Rochester, N. Y.

SUBSCRIPTION to Marine Biological Laboratory, Woods Hole, Mass., for research in biology.

Simmons College, Boston, Mass.

SUBSCRIPTION to Marine Biological Laboratory, Woods Hole, Mass., for research in biology.

Smith College, Northampton, Mass.

SUBSCRIPTION to Marine Biological Laboratory, Woods Hole, Mass., for research in biology.

SUBSCRIPTION to the Stazione Zoologica in Naples, for a research table.

Sophie Newcomb College, New Orleans, La.

SUBSCRIPTION to Marine Biological Laboratory, Woods Hole, Mass., for research in biology.

Southern California, University of, Los Angeles, Calif.

VENICE MARINE BIOLOGICAL STATION. Funds for biological research in the station at Venice, Calif. Established 1910. Present fund, \$6,000.

Trinity College, Hartford, Conn.

SUBSCRIPTION to Marine Biological Laboratory, Woods Hole, Mass., for research in biology.

Tufts College, Tufts College, Mass.

HARPSWELL MARINE LABORATORY. Funds for biological research in the laboratory at Casco Bay, South Harpswell, Me.

Vassar College, Poughkeepsie, N. Y.

SUBSCRIPTION to Marine Biological Laboratory, Woods Hole, Mass., for research in biology.

Vermont, University of, Burlington, Vt.

SUBSCRIPTION to Marine Biological Laboratory, Woods Hole, Mass., for research in biology.

Washington, University of, Seattle, Wash.

PUGET SOUND MARINE STATION. Funds for biological research in the laboratory at Friday Harbor, Wash. Established 1904. Annually available, \$5,500.

Washington University, St. Louis, Mo.

SUBSCRIPTION to Marine Biological Laboratory, Woods Hole, Mass., for research in biology.

Wellesley College, Wellesley, Mass.

SUBSCRIPTION to Marine Biological Laboratory, Woods Hole, Mass., for research in biology.

SUBSCRIPTION to the Society for the Promotion of Laboratory Research on the Part of Women.

Wesleyan University, Middletown, Conn.

SUBSCRIPTION to Marine Biological Laboratory, Woods Hole, Mass., for research in biology.

Western Reserve University, Cleveland, Ohio.

BUTLER FUND, for the publication of results of research in American History, including archaeology and ethnology. Established, 1893. Original fund, \$1,000. Present fund, \$1,000. Annually available, \$60.

SUBSCRIPTION to Marine Biological Laboratory, Woods Hole, Mass., for research in biology.

Wheaton College, Norton, Mass.

SUBSCRIPTION to Marine Biological Laboratory, Woods Hole, Mass., for research in biology.

Wisconsin, University of, Madison, Wis.

SUBSCRIPTION to Marine Biological Laboratory, Woods Hole, Mass., for research in biology.

UNIVERSITY OF WISCONSIN BIOLOGICAL STATION. Funds for biological research in the station at Madison, Wis.

Yale University, New Haven, Conn.

BAYARD DOMINICK FUND, for the scientific exploration of the South Pacific Ocean, to be administered by the Bishop Museum. Original fund, \$40,000, all of which must be expended before June 1, 1921.

SUBSCRIPTION to Marine Biological Laboratory, Woods Hole, Mass., for research in biology.

IV. INSTITUTIONAL FUNDS FOR RESEARCH

Restricted to use in the institution holding or administering them: A. Academies, Associations, Museums and Societies; B. Foundations, Hospitals, and Research Institutes; C. Universities and Colleges.

A—ACADEMIES, ASSOCIATIONS, SOCIETIES AND MUSEUMS

Academy of Natural Sciences, Logan Square, Philadelphia, Pa.

GENERAL FUND, for research in the institution. Annually available, \$45,000.

American Academy of Ophthalmology and Oto-Laryngology, Luther C. Peter, Secretary, 1529 Spruce St., Philadelphia, Pa.

RESEARCH FUND, for which conditions have not yet been determined. Established, 1920.

American Institute of Drug Proving, 616 Madison Ave., New York City.

RESEARCH FUND, for work on drugs. Original fund, \$3,250. Annually available, \$120.

American Society for Psychical Research, 44 East 23rd St., New York City.

ENDOWMENT FUND, for research in psychical and abnormal psychological phenomena. Established, 1905. Present fund, \$175,000.

American Society of Heating and Ventilating Engineers, P. O. Box 1818, New York City.

RESEARCH FUND, for determining and disseminating engineering knowledge pertaining to the profession of heating and ventilating, and to the equipment and apparatus utilized by the profession at large. Established, 1919. Annually available, \$21,267.50 for five years.

Bernice Pauahi Bishop Museum of Polynesian Ethnology and Natural History, Herbert E. Gregory, Director, Honolulu, Hawaii.

BAYARD DOMINICK FUND, for exploration in the South Seas. To be expended before July 1, 1921, \$40,000.

CHARLES R. BISHOP FUND for research in science. Annually available, \$35,000.

CHARLES R. BISHOP TRUST, for research in science, and to supplement the fund. Annually available, \$40,000.

Brooklyn Institute of Arts and Sciences, Brooklyn, N. Y.

ROBERT B. WOODWARD FUND, for research purposes of the Museum. Present fund, \$600,000.

California Academy of Sciences, San Francisco, Calif.

ENDOWMENT, to be used in part for research. Original fund, \$1,000,000. Annually available, \$20,540.55.

Carnegie Museum, Pittsburgh, Pa.

RESEARCH EXPENDITURE, for research in the museum. Annually available \$25,000.

Mathematical Association of America, W. D. Cairns, Secretary-Treasurer, 27 King St., Oberlin, Ohio.

APPROPRIATION FROM GENERAL EDUCATION BOARD, for research on mathematical requirements. Established, 1920. Annually available, \$25,000.

New York Entomological Society, C. W. Long, Secretary, Staten Island, N. Y.

PERMANENT FUND, which may be used for scientific research at the discretion of the directors. Established, 1917. Original fund, \$500. Present fund, \$1,100. Annually available, \$50.

New York State Museum, University of the State of New York, Albany, N. Y.

RESEARCH FUND, for special research. Annually available, \$3,000 to \$5,000.

B—FOUNDATIONS, HOSPITALS AND RESEARCH INSTITUTES

Barnard Free Skin and Cancer Hospital, St. Louis, Mo.

CANCER RESEARCH FUND, for research in cancer. Present fund, \$100,000.

Carnegie Institution of Washington, 16th St., N. W., Washington, D. C.

ENDOWMENT, for the encouragement in the broadest and most liberal manner of investigation, research and discovery, and the application of knowledge to the benefit of mankind. Established, 1902. Original fund, \$10,000,000. Present fund, \$22,120,000. Annually available:

APPROPRIATION to Department of Terrestrial Magnetism. Available for 1920, \$203,426.52.

APPROPRIATION to Department of Meridian Astronomy. Available for 1920, \$38,912.00.

APPROPRIATION to Nutrition Laboratory. Available for 1920, \$52,432.39.

APPROPRIATION to Geophysical Laboratory. Available for 1920, \$125,852.

APPROPRIATION to Department of Marine Biology. Available for 1920, \$27,628.88.

APPROPRIATION to Department of Embryology. Available for 1920, \$43,128.

APPROPRIATION to Department of Ecological Research. Available for 1920, \$24,840.00.

APPROPRIATION to Eugenics Record Office. Available for 1920, \$30,785.76.

APPROPRIATION to Department of Experimental Evolution. Available for 1920, \$78,343.27.

APPROPRIATION to Department of Botanical Research. Available for 1920, \$64,723.26.

APPROPRIATION to Mount Wilson Observatory. Available for 1920, \$181,665.68.

Harriman Research Laboratory, Roosevelt Hospital, New York City.

ENDOWMENT FUND, for the promotion of research in medical and biological sciences. Established, 1912. Annually available, \$25,000.

John McCormick Institute for Infectious Diseases, 637 W. Wood St., Chicago, Ill.

W. A. CLARK FUND, for research in physiological chemistry.

RESEARCH FUND, for research in infectious diseases. Present fund, \$2,000,000. Annually available, entire income.

Memorial Hospital, 106th St. and Central Park West, New York City.

COLLIS P. HUNTINGTON FUND, for research in cancer. Established, 1902. Original fund, \$100,000. Annually available, \$4,500. (From \$2,500 to \$5,000 added to this annually by the Huntington family.)

DOUGLAS FUND, for research in cancer. Established, 1917. Original fund, \$100,000. Annually available, \$5,000.

Metropolitan Life Insurance Company, New York City.

COMMUNITY HEALTH AND TUBERCULOSIS DEMONSTRATION FUND, for research in tuberculosis and general health fields. Present fund, \$130,600.

INFLUENZA FUND, for research into the cause of the influenza epidemic. Established, 1919. Original fund, \$50,000.

Montefiore Home and Hospital for Chronic Diseases, Gun Hill Road, N. Y. City.

SCHIFF RESEARCH LABORATORY FUND, for research in medicine. Established, 1909. Original fund, \$100,000. Present fund, \$200,000. Annually available, \$10,000. (\$300,000 will probably be added to the fund on the settlement of Mr. Schiff's will.)

WOLFF CANCER RESEARCH FUND, for the study of the cancer problem. Established, 1912. Original fund, \$50,000. Present fund, \$50,000. Annually available, \$2,500.

Nelson Morris Memorial Institute for Medical Research, 2900 Ellis Ave., Chicago, Ill.

ORIGINAL GIFT, for laboratory research purposes. Established, 1910. Original fund, \$500,000. Annually available, \$5,000 from this fund and \$17,000 in addition from the directors. (Not all of this is used for research, but must support the routine work of the hospital "Michael Reese," of which the Institute is a part.)

OTTO BAER FUND, for research in medicine. Established, 1920. Original fund, \$200,000. Annually available, probably \$10,000.

Robert D. Brigham Hospital for Incurables, Boston, Mass.

GOLDTHWAIT RESEARCH FUND, for scientific research. Established, 1915. Original fund, \$60,000.

Rockerfeller Institute for Medical Research, 66th St. and Avenue A, New York City.

ENDOWMENT FUND, for medical research, with special reference to the prevention and treatment of disease. Established, 1901. Original fund, \$20,000. Present fund, \$23,000,000. Annually available, \$1,100,000.

HENRY RUTHERFORD FUND, for cancer research. Present fund, \$20,000. Annually available, \$8,500.

Smithsonian Institution, Washington, D. C.

ENDOWMENT FUND, for the increase and diffusion of knowledge among men. Established, 1846. Original fund, \$508,318. Present fund, \$974,794.

Sprague Memorial Institute, Chicago, Illinois.

FUND, for medical research. Present fund, \$1,500,000. Annually available, \$80,000.

Trudeau Foundation, Saranac Lake, N. Y.

TRUDEAU FOUNDATION FUND, for research and teaching in tuberculosis. Present fund, \$240,427. (1918.)

Trudeau Sanatorium, Saranac Lake, N. Y.

E. H. HARRIMAN MEDICAL AND RESEARCH FUND, for research in tuberculosis. Present fund, \$27,355 (1918).

OLIVIA SAGE MEDICAL AND RESEARCH FUND, for research in tuberculosis. Present fund, \$52,408. (1918.)

C—UNIVERSITIES AND COLLEGES**Amherst College, Amherst, Mass.**

TUCKERMAN FUND, for the encouragement of the study of botany at Amherst. Established, 1915. Original fund, \$5,000. Annually available, \$200.

California Institute of Technology, Pasadena, Calif.

CHEMICAL RESEARCH FUND, for research in chemistry. Established, 1915. Present fund, \$200,000. Annually available, \$10,000.

PHYSICAL RESEARCH FUND, for research in the physical sciences. Established, 1916. Present fund, \$200,000. Annually available, \$8,350.

California, University of, Berkeley, Calif.

ALEXANDER FUND, for zoölogical research in the California Museum of Vertebrate Zoölogy. Annually available, \$43,000.

AMERICAN MEDICAL SOCIETY FUND, for research in anatomy. Available in 1920, \$400.

AMERICAN RED CROSS FUND, for research in anatomy. Available 1920, \$3,000.

CITRUS FRUIT GROWERS FUND, for investigations in citrus fruits. Annually available, \$2,200.

FRIEND OF UNIVERSITY FUND, for research in paleontology. Established, 1920. Annually available, \$5,000.

GENERAL BUDGET APPROPRIATION, for research in all departments except those of agriculture and medicine. Established, 1920. Annually available, \$20,000.

GENERAL BUDGET APPROPRIATION, for specific allotments for research. Annually available, \$12,000.

GIFT, for research. Available 1920, \$2,500.

GIFT, for research in anatomy. Available 1920, \$1,000.

HOOPER FOUNDATION, for research in medicine. Established, 1913. Annually available, \$43,000.

LEMON MEN'S CLUB FUND, for investigation of lemons. Annually available, \$2,880.

LICK OBSERVATORY FUND (including income on endowment, annual gifts and provision in university budget), for research in astronomy. Established, 1875. Annually available, \$57,300.

MEDICAL SCHOOL FUNDS, for medical research. Annually available, \$20,000.

NATIONAL CANNERS' ASSOCIATION FUND, for investigation of botulism. Annually available, \$15,800.

PETALUMA POULTRYMEN'S FUND, for poultry investigation. Annually available, \$2,000.

RESEARCH BOARD SPECIAL FUND, to aid special requests for research. Annually available, \$4,000.

SAN FRANCISCO DENTAL SOCIETY FUND, for research in dentistry. Available 1920, \$1,200.

U. S. INTERDEPARTMENTAL SOCIAL HYGIENE BOARD FUND, for research in pathology. Annually available, \$3,875.

UNIVERSITY RESEARCH FUND ON SEARLES FOUNDATION, for research. Annually available, \$12,000.

Case School of Applied Science, Cleveland, Ohio.

PHILIP RHODES MCCURDY FUND, for the use of seniors in chemistry for research. Annually available, \$1,000.

Chicago, University of, Chicago, Ill.

FLEISCHMAN COMPANY FUND, for investigating some of the scientific questions which have arisen in the manufacture of compressed yeast. Established, 1918. Annually available, \$750.

GENERAL FUND APPROPRIATION FOR YERKES OBSERVATORY, for research in astronomy. Annually available, \$32,000.

HELEN CULVER FUND, for the spread of knowledge in the biological sciences. Established, 1895. Original fund, \$1,000,000. Present fund, \$797,185.90. Annually available, \$35,860.

HYDE MEMORIAL FUND, for research in skin diseases and cancer. Established, 1917. Present fund, \$25,000. Annually available, \$2,500.

Clark University, Worcester, Mass.

SMITH-BATTLES FUND, for investigation of spiritualistic and allied phenomena. Present fund, \$5,000.

Columbia University, New York City.

ANONYMOUS FUND, for surgical research. Established, 1918. Original fund, \$15,000. Principal used for special research work.

DYCKMAN FUND, for the encouragement of biological research. Established, 1899. Present fund, \$10,324. Annually available, \$464.58.

EMIL C. BONDY FUND, for investigation into the cause, prevention and cure of cancer, and toward general research in medicine and surgery and their allied subjects. Established, 1916. Present fund, \$100,000. Annually available, \$4,500.

GEORGE CROCKER SPECIAL RESEARCH FUND, for cancer research. Established, 1911. Present fund, \$1,441,298. Annually available, \$70,317.51.

LEE FUND, for research and equipment in the department of physiology. Established, 1914. Present fund, \$20,000. Annually available, \$900.

VANDERBILT CLINIC ENDOWMENT FUND, for clinical teaching. Established, 1896. Present fund, \$115,000. Annually available, \$5,650.

WILLIAM RICHMOND PETERS, JR., FUND, for research in the department of civil engineering. Established, 1912. Present fund, \$50,000. Annually available, \$2,250.

WILLIAM T. BULL MEMORIAL FUND, for original research under the direction of the department of surgery. Established, 1911. Present fund, \$32,234. Annually available, \$1,333.68.

Cornell University, Ithaca, N. Y.

AUGUST HECKSCHER FOUNDATION, for the promotion of research in Cornell, and the publication of results. Established, 1920. Original fund, \$500,000. Annually available, \$20,000.

FUND FOR RESEARCH IN VETERINARY MEDICINE, for investigation of the diseases of breeding cattle. Established, 1916. Annually available, \$6,000.

FUND FOR RESEARCH IN VETERINARY MEDICINE, for investigation of the diseases of sheep, poultry and rabbits. Established, 1920. Annually available, \$36,000.

FUND FOR VETERINARY EXPERIMENT STATION, for research and investigation in veterinary medicine. Annually available, \$2,000 to \$3,000.

RING MEMORIAL FUND, for the advancement of horticultural science. Established, 1913. Original fund, \$1,000. Annually available, \$50.

SARAH MANNING SAGE BEQUEST, to promote the advancement of medical science by encouragement of research at Ithaca. Established, 1915. Original fund, \$50,000. Annually available, \$2,571.

SUSANNAH PHELPS GAGE FUND, for research in physics. Established, 1918. Original fund, \$10,000. Present fund, \$10,000. Annually available, \$514.

Denison University, Granville, Ohio.

EUGENE J. BARNEY FOUNDATION, for research—unlimited. Annually available, \$5,000.

George Washington University, Washington, D. C.

COOPER MEDICAL RESEARCH FUND, for investigations upon the nature, causes, etc., of malaria and other infectious diseases. Established, 1905. Present fund, \$10,000. Annually available, \$4,000.

Harvard University, Cambridge, Mass.

AESCLAPIAN CLUB GIFT, for research in the department of syphilology. Present fund, \$190.

ANONYMOUS FUND, for research in physical and inorganic chemistry in the Wolcott Gibbs Laboratory. Original fund, \$5,000. Present fund, \$5,055.48. Annually available, \$55.48.

BOWDITCH FUND, for the promotion of original investigations in the physiological laboratory of the Harvard Medical School. Established, 1889. Original fund, \$6,000. Present fund, \$10.185. Annually available, \$514.

BULLARD GIFT, for the study of pellagra, for use in the department of diseases of the nervous system. Present fund, \$777. Annually available, \$28.

CAROLINE BREWER CROFT FUND, for researches and investigations in some effectual remedy or means of cure for cancer, consumption or other diseases generally supposed to be incurable. Cancer to receive preference. Established, 1899. Original fund, \$92,025. Annually available, \$4,711.

COLBURN FUND, for research in tuberculosis. Established, 1919. Original fund, \$97,052. Present fund, \$99,298. Annually available, \$2,246.

COOLIDGE FUND, for physical research. Established, 1901. Original fund, \$57,500. Present fund, \$17,417. Annually available, \$950.

CYRUS M. WARREN FUND, for the promotion of chemical research or the advancement of chemical science. Established, 1893. Original fund, \$4,500. Present fund, \$7,595. Annually available, \$387.

DEPARTMENT OF TROPICAL MEDICINE RESEARCH FUND, for research in tropical medicine. Present fund, \$14,750.

EDWARD AUSTIN FUND, for research in the bacteriological laboratory. Established, 1899. Original fund, \$10,000. Present fund, \$11,129. Annually available, \$552.

ERNEST B. DANE FUND, for research in physics. (Only part of the fund available for research.) Established, 1912. Present fund, \$53,955. Annually available, \$2,134.

ERNEST B. DANE FUND, for research in sanitary engineering. Present fund, \$1,124. Annually available, \$32.

EXPENSES OF INSTRUCTION AND INVESTIGATION IN INDUSTRIAL HYGIENE, in the department of preventive medicine and hygiene. Present fund, \$98,350. Annually available, \$3,943.

FLATTERY RESEARCH FUND, for cancer research. Established, 1915. Present fund, \$11,800. Annually available, \$800.

FRANCIS C. LOWELL FUND, for research in archaeology. Established, 1912. Present fund, \$1,000. Annually available, \$51.20.

GENETIC RESEARCH FUND, for research in genetics. Present fund, \$320.

GIFT FOR RESEARCH, in the department of preventive medicine and hygiene. Present fund \$25,711. Annually available \$750.

GIFT FOR INVESTIGATION OF INFANTILE PARALYSIS, in the department of preventive medicine and hygiene. Present fund, \$3,420. Annually available, \$131.57.

GREENOUGH FUND, for surgical research. Established, 1901. Original fund, \$2,000. Present fund, \$6,582. Annually available, \$344.

HEMENWAY FUND, for original research in archaeology. Established, 1910. Original fund, \$45,000. Present fund, \$45,996. Annually available, \$2,337.

HENRY ISAIAH DORR FUND, for research in anesthetics. Established, 1917. Present fund, \$100,000. Annually available, \$3,950.

HERBERT L. BURRELL FUND, to further the art of science and surgery. Established, 1914. Present fund, \$6,212. Annually available, \$302.

HUNTINGTON-FROTHINGHAM-WOLCOTT FUND, for research in archaeology and ethnology, and for exploration and publication. Established, 1891. Original fund, \$20,000. Present fund, \$20,900. Annually available, \$1,074.

INDUSTRIAL HYGIENE FUND, for study of health conditions in department stores, to be used in the department of preventive medicine and hygiene. Present fund, \$3,183. Annually available, \$33.65.

JAMES C. MELVIN FUND, for research in tropical medicine. Established, 1918. Original fund, \$50,000. Present fund, \$51,486. Annually available, \$1,486.

JEFFERSON COOLIDGE FUND, for cancer research. Established, 1915. Present fund, \$2,000. Annually available, \$102.

JOSEPH DE LAMAR FUND, for the study and teaching of the origin and cause of disease and its prevention, and for the study and teaching of dietetics. Established, 1920. Original fund, \$5,541,401.

JOSEPH LOVERING FUND, for the promotion of original research at the Jefferson Physical Laboratory. Established, 1891. Original fund, \$7,720. Present fund, \$8,373. Annually available, \$417.

MEARS FUND, for the study of methods to reform and cure criminals and mental defectives by surgery. Established, 1919.

MEMORIAL CANCER HOSPITAL RESEARCH FUND, for research in cancer. Present fund, \$11,458. Annually available, \$458.

MERRILL WYMAN MEDICAL RESEARCH FUND, for investigation concerning origin, results, prevention and treatment of disease. Established, 1915. Present fund, \$133,807. Annually available, \$7,021.

PEABODY FOUNDATION FUND, for collection and research in archaeology and ethnology with special reference to the aboriginal American races. Established, 1905. Original fund, \$45,000. Present fund, \$119,214. Annually available, \$5,805.

PROCTOR FUND, for promoting the study of chronic diseases. Established, 1903. Original fund, \$50,000. Present fund, \$51,809. Annually available, \$2,620.

RESEARCH FUND OF GRAY HERBARIUM, for botanical research. Original fund, \$300,000.

RESEARCH FUND, for medical research. Annually available, \$350,000-\$375,000.

RICHARD HODGSON MEMORIAL FUND, for psychical research. Established, 1912. Present fund, \$14,794.27.

SURGICAL LABORATORY FUND, for research in surgery. Established, 1897. Original fund, \$5,000. Present fund, \$5,016. Annually available, \$256.

SUSAN C. WARREN FUND, for research in archaeology. Established, 1902. Present fund, \$10,631.35. Annually available, \$256.

WALLACE C. SABINE MEMORIAL FUND, for the promotion of research in the department of physics. Restricted until it reaches a certain specified sum. Established, 1919. Present fund, \$100,000.

WILLIAM J. AND GEORGIANA B. WRIGHT FUND, for medical research and the advancement of the medical and surgical sciences. Established, 1920. Original fund, over \$23,000.

WILLIAM L. BRADLEY FUND, for scientific investigation to increase the knowledge of trees. Established, 1897. Original fund, \$20,000. Annually available, \$1,024.

ZOE D. UNDERHILL FUND, for research in medicine. Established, 1912. Present fund, \$10,000. Annually available, \$514.05.

Illinois, University of, Urbana, Ill.

ASSOCIATION OF MANUFACTURERS OF CHILLED CAR WHEELS FUND. Established, 1916. Annually available, \$3,529.

DIVISION OF APPLIED CHEMISTRY TESTING WORK FUND, for research in chemistry. Annually available, \$5,516.

FATIGUE OF METALS FUND. Established, 1919. Annually available, \$12,000.

GENERAL FUND APPROPRIATION FOR ASTRONOMICAL RESEARCH. Annually available, \$3,000.

GRADUATE SCHOOL APPROPRIATION, for general research. Annually available, \$25,000.

NATIONAL WARM AIR HEATING AND VENTILATING ASSOCIATION FUND, for investigation of warm air furnaces. Established, 1918. Annually available, \$5,901.

U. S. INTERDEPARTMENTAL SOCIAL HYGIENE FUND, for research in social hygiene. Established, 1920. Annually available, \$3,500.

Indiana, University of, Bloomington, Ind.

GENERAL FUND APPROPRIATION, for research in physical and biological sciences. Annually available, \$10,000.

WATERMAN INSTITUTE FOR SCIENTIFIC RESEARCH FUND. Established, 1915. Original fund, \$100,000. Present fund, \$102,500. Annually available, \$5,000.

Iowa, University of, Iowa City, Iowa.

FUND OF \$20,000, for an emergency fund for research projects.

W. C. T. U. FUND, for use in connection with the Welfare Research Station fund. Established, 1920. Annually available, \$10,000 for a period of five years.

WELFARE RESEARCH STATION FUND, for the investigation of best scientific methods of conserving and developing the normal child, the dissemination of such knowledge, and the training of students for work in such fields. Established, 1917. Annually available, \$25,000.

Johns Hopkins University, Baltimore, Md.

DEPARTMENTAL FUNDS FOR RESEARCH, appropriated in each department of the University.

EPILEPSY RESEARCH FUND, for research in epilepsy. Present fund, \$110,000. (A remainder interest in four legacies of \$10,000 each will be added to this fund on the death of the life tenants.) Annually available, \$5,500.

HERTER LECTURESHIP, for the promotion of a more intimate knowledge of the researches of foreign investigators in the realm of medical science. Established, 1902. Original fund, \$25,000. Annually available, \$1,000.

JOSEPH DE LAMAR FUND, for study and teaching of the cause and origin of disease and its prevention, and for the study and teaching of dietetics. Established, 1920. Original fund, \$2,000,000. Annually available, \$100,000.

KENNETH DOWS TUBERCULOSIS RESEARCH FUND, for research in this disease. Established, 1916. Annually available, \$17,500.

LINTON FUND, for assisting investigation in anatomy, physiology, pharmacology, and physiological chemistry. Established, 1919. Original fund, \$5,000. Annually available, \$230.

PHYSIOLOGICAL RESEARCH FUND. Established, 1917. Original fund, \$10,000. Annually available, \$500.

UNITED STATES INTERDEPARTMENTAL SOCIAL HYGIENE BOARD FUND, for research in social hygiene. Original fund, \$19,050. Appropriation for 1920-21 only.

WILLIAM H. WELCH ENDOWMENT FUND, for clinical education and research in medicine, surgery, and pediatrics. Established, 1914. Original fund, \$1,273,000. Present fund, \$1,623,000. Annually available, \$83,000.

Kansas, University of, Lawrence, Kan.

APPROPRIATION for research in biological sciences. Available for 1920-21, \$4,757.10.

APPROPRIATION for research in physical sciences. Available for 1920-21, \$6,510.

APPROPRIATION for research in mental sciences. Available for 1920-21, \$425.

FUND FOR RESEARCH. Annually available, \$2,000.

FUND FOR ENGINEERING RESEARCH. Present fund, \$1,900.

Kansas State Agricultural College, Manhattan, Kan.

GENERAL FUND, for research on contagious abortion. Annually available, \$5,000.

Leland Stanford Junior University, Stanford, Calif.

COFFIN RESEARCH FUND, for study of tropical diseases. Established, 1912. Present fund, \$400.

FOOD RESEARCH INSTITUTE, for the intensive study of the problems of production, distribution and consumption of food. Established, 1921. Present fund \$700,000. (Provided by Carnegie Corporation for support of the Institute for ten years.)

FUND FOR RESEARCH. Annually available, \$2,000.

SUM GIVEN BY OLIVE GROWERS AND THE CANNING INDUSTRY FUND, for study of botulism in California. Established, 1920. Present fund, \$12,600.

UNITED STATES INTERDEPARTMENTAL SOCIAL HYGIENE BOARD FUND, for research in social diseases. Established, 1918. Present fund, \$7,200. Available, 1920-21, \$885.

Massachusetts Institute of Technology, Boston, Mass.

DALTON FUND, for payment of fees for research in textile chemistry. Present fund, \$55,000. Annually available, \$250.

ELLEN H. RICHARDS FUND, for research in chemistry. Present fund, \$15,000. Annually available, \$600.

GENERAL BUDGET APPROPRIATION, for research in all departments. Annually available, estimated over \$100,000.

HENRY SALTONSTALL FUND, for research. Present fund, \$10,000. Annually available, \$450.

JAMES SAVAGE FUND, for research. Present fund, \$12,500. Annually available, \$600.

RICHARD LEE RUSSELL FUND, for research in civil engineering. Present fund, \$2,400. Annually available, \$80.00.

SUSAN H. SWEET FUND, for research. Present fund, \$10,000. Annually available, \$450.

WHITNEY FUND, for research in seismology. Present fund, \$40,000. Accumulating.

Miami University, Oxford, Ohio.

FUND FOR RESEARCH. Annually available, \$800.

Minnesota, University of, Minneapolis, Minn.

ANNUAL BUDGET APPROPRIATION, for research and publication. Annually available, \$14,420.

MAYO FOUNDATION, for medical research. Established, 1918. Original fund, \$1,693,000.

Northwestern University, Evanston, Ill.

ANNUAL APPROPRIATION TO DEARBORN OBSERVATORY, one-half to be used for research in astronomy. Annually available, \$2,500.

CHICAGO ASTRONOMICAL SOCIETY RESEARCH FUND, for research in astronomy. Original fund, \$1,500. Present fund, \$1,500. Annually available, \$75.

DENTAL RESEARCH FUND, for dental research in the University. Original fund, \$705.88. Annually available, \$35.

JAMES A. PATTEN FUND, for medical research in bacteriology and tuberculosis. Established, 1911. Present fund, \$215,750. Annually available, \$10,000.

MEDICAL SCHOOL ALUMNI FUND, for medical research. Established, 1904. Original fund, \$2,200. Annually available, \$110.

NORMAN W. HARRIS LECTURES, to be used to stimulate scientific research of the highest type and to bring the result of such research before the students and friends of the University. Established, 1906. Annually available, \$550-\$600.

REA BEQUEST, for medical research. Established, 1902. Original fund, \$9,700. Annually available, \$485.

U. S. INTERDEPARTMENTAL SOCIAL HYGIENE BOARD FUND, for research in chemistry department for compounds of therapeutic value in the treatment of venereal diseases. Established, 1920. Present fund, \$5,000, for 1920-21 only.

Pennsylvania, University of, Philadelphia, Pa.

HENRY PHIPPS INSTITUTE FUND, for research in tuberculosis. Estab-

lished, 1920. Present fund, \$500,000. (This endowment is given on conditions that a total of \$3,000,000 is raised.)

WISTAR INSTITUTE OF ANATOMY AND BIOLOGY FUND, for research in these two subjects. Established, 1892.

Phillips Academy, Andover, Mass.

ROBERT SINGLETON PEABODY FUND, for American archaeological research in the museum, for exploration and publication. Established, 1901. Original fund, \$150,000. Present fund, \$458,214.96. Annually available, \$21,122.74.

Pittsburgh, University of, Pittsburgh, Pa.

ANNUAL INCOME OF ALLEGHENY OBSERVATORY, for research in astronomy. Annually available, \$13,500.

Princeton University, Princeton, N. J.

APPROPRIATIONS TO SCIENTIFIC DEPARTMENTS, for research in the departments. Annually available, \$21,200.

Rensselaer Polytechnic Institute, Troy, N. Y.

GENERAL BUDGET APPROPRIATION, for research in all departments. Annually available, \$2,000 (as much as is asked by professors, but not generally more than this.)

L. E. LAFLIN FUND, for purchase of materials and apparatus used in original research in the laboratories of the institution. Established, 1914. Original fund, \$10,000. Annually available, \$500.

RESEARCH FUND, for general research. Established, 1917. Original fund, \$11,000. Annually available, \$550.

Tulane University, New Orleans, La.

ANNUAL APPROPRIATION, for medical research. Annually available, \$1,000.

GENERAL FUND, for research in psychology. Annually available, \$3,250.

Utah, University of, Salt Lake City, Utah.

GENERAL FUND APPROPRIATION FOR RESEARCH IN ARCHAEOLOGY. Annually available, \$2,000.

GENERAL FUND APPROPRIATION FOR RESEARCH IN METALLURGY. Annually available, \$12,500.

Vassar College, Poughkeepsie, N. Y.

RESEARCH FUND OF VASSAR COLLEGE OBSERVATORY, for research only in astronomy. Established, 1910. Original fund, \$2,000. Present fund, \$2,000. Annually available, \$100.

Virginia, University of, Charlottesville, Va.

ANNUAL FUND IN THE LEANDER MCCORMICK OBSERVATORY, for research in astronomy.

GRANT FROM HODGKINS FUND OF THE SMITHSONIAN INSTITUTION, for research in physics. Available for 1920, \$200.

Wesleyan University, Middletown, Conn.

AMOS JAY GIVEN BIOLOGICAL FUND, for the maintenance of the department of biology, and for the promotion of research in that subject. Established, 1912. Original funds, \$25,000. Annually available, \$1,250.

CRAWFORD MEMORIAL FUND, for the purchase of apparatus, and the promotion of research in physics. Established, 1906. Original fund, \$5,000. Annually available, \$300.

Western Reserve University, Cleveland, Ohio.

APPARATUS FUND, for the purchase of apparatus in medical research. Established, 1908. Present fund, \$17,985. Annually available, \$1,111.

CRILE PAYNE FUND, for medical research in the Cushing Laboratory of Experimental Medicine. Established, 1909. Present fund, \$8,942. Annually available, \$534.

Wisconsin, University of, Madison, Wis.

GENERAL ANNUAL APPROPRIATION TO COLLEGE OF ENGINEERING, for research in engineering. Annually available, \$3,000.

H. J. HEINZ COMPANY AND NATIONAL PICKLE PACKERS ASSOCIATION FUND, for work on pickle diseases, to be known as "Cucurbit Disease Research Fund." Established 1919. Annually available, \$1,000.

NATIONAL TUBERCULOSIS ASSOCIATION FUND, for research work on tuberculosis. Annually available, \$200.

NEWPORT COMPANY FUND, for research in synthetic new remedies. Available for 1920, \$1,000.

PHARMACEUTICAL EXPERIMENT STATION, for experiments in medicinal plants and vegetable drugs. Established, 1913. Annually available, \$5500.

UNITED STATES INTERDEPARTMENTAL SOCIAL HYGIENE BOARD FUND, for research on venereal diseases. Established, 1919. Available for 1920, \$12,000.

UNIVERSITY RESEARCH FUND, for special investigations. Established, 1919. Available in 1920, \$23,000.

W. A. CLARK, JR., FUND, for purchase of heavy crushing machinery with accessory equipment for experimental work in structural geology. Original fund, \$4,000.

WISCONSIN PHARMACEUTICAL RESEARCH FUND, of which half is to be used for research in pharmacy and half to augment the principal. Established, 1917. Original fund, \$1,000. Annually available, \$500 plus.

Yale University, New Haven, Conn.

CONTRACT WITH ORDNANCE DIVISION OF WAR DEPARTMENT, for experimental work on explosives. For 1920-21, \$10,000.

DANA FUND, for original investigation in geology. Original fund, \$24,000.

FRANCIS E. LOOMIS FUND, for research in the departments of anatomy, physiology and pharmacology. Established, 1911. Present fund, \$20,000 (1916). Annually available, \$960.

HADLEY UNIVERSITY FUND, for research in general. Original fund, \$1,030. Annually available, \$48.

HENRY T. AND WILLIAM D. SLOANE FUNDS, for the study of physics and for research assistants in the New Sloane Laboratory. Established, 1919. Present fund, \$125,000.

HEPSA ELI SILLIMAN FUND, a certain extent of which is applicable to scientific research. Established, 1901. Original fund, \$94,741.

LOOMIS FUND, for research in astronomy. Established, 1889. Original fund, \$312,415. Present fund, \$313,865. Annually available, \$15,000.

ORGANIC CHEMISTRY RESEARCH FUND, for research in this subject. Established, 1918. Original fund, \$600.

RUSSELL H. CHITTENDEN FUND, for research in physiological chemistry. established, 1915. Original fund, \$4,000. Annually available, \$192.

THOMAS C. SLOANE FUND, for the study of physics in the Sloane Physical Laboratory. Established, 1891. Present fund, \$90,000.

V. FELLOWSHIPS AND SCHOLARSHIPS FOR RESEARCH

A. Academies, Associations, Societies and Museums; B. Foundations Hospitals and Research Institutes; C. Universities and Colleges.

A—ACADEMIES, ASSOCIATIONS, SOCIETIES AND MUSEUMS

American Field Service Fellowships for French Universities, 576 Fifth Ave., New York City. (Formerly Society for American Fellowships in French Universities).

FELLOWSHIPS (30), for advanced study and research in French Universities. Established, 1917. Annually available, \$1,000 each.

Bernice Pauahi Bishop Museum of Polynesian Ethnology and Natural History, Honolulu, Hawaii.

FELLOWSHIPS (2), for research in anthropology, botany, zoölogy, geology or geography. Established, 1920. Annually available, \$1,000 each.

Brooklyn Institute of Arts and Sciences, Brooklyn, N. Y.

TEMPLE PRIME SCHOLARSHIP, for biological research work in the Biological Laboratory at Cold Spring Harbor, L. I. Established, 1919. Annually available, \$100.

Chemists' Club of New York, 50 East 41st St., New York City.

BLOEDE SCHOLARSHIP, for research in industrial chemistry and engineer-

ing. Established, 1916. Original fund, \$10,000. Present fund, \$10,000. Annually available, \$500.00.

HOFFMAN SCHOLARSHIP, for research in industrial chemistry and engineering. Established, 1916. Original fund, \$10,000. Present fund, \$10,000. Annually available, \$500.00.

Gypsum Industries Association, H. H. Macdonald, Secretary, 7647 Greenview Avenue, Chicago, Ill.

FELLOWSHIPS (6) for investigation of the use of gypsum in crop production. Annually available, \$1,000-\$1500.

B—FOUNDATIONS, HOSPITALS AND RESEARCH INSTITUTES

American Scandinavian Foundation, 25 West 45th St., New York City.

TRAVELING FELLOWSHIPS (20) OF \$1,000 EACH, five for travel and study in Denmark, 10 in Sweden and 5 in Norway, for the purpose of drawing the American and Scandinavian peoples closer in bonds of intellectual kinship. Established, 1911. Original fund, \$500,000. Present fund, \$565,082.48. Annually available, \$40,000. (Only one-half available for United States.)

Marine Biological Laboratory, Woods Hole, Mass.

LUCRETIA CROCKER SCHOLARSHIPS IN BIOLOGICAL RESEARCH, for teachers in Boston. Annually available, \$50.

SCHOLARSHIP OF \$100, for rent of research room or table at the Marine Biological Laboratory, Woods Hole, Mass. Established, 1898. Annually available, \$100.

National Research Council, 1701 Mass. Ave., Washington, D. C.

FELLOWSHIPS, for research in physics and chemistry. Supported by the Rockefeller Foundation. Established, 1920. Present fund, \$500,000. Annually available, \$100,000.

Research Corporation, 31 West 43rd St., New York City.

FELLOWSHIP, for scientific investigation. Established, 1917.

Trudeau Foundation, Saranac, N. Y.

FELLOWSHIPS, for research in tuberculosis.

C—UNIVERSITIES AND COLLEGES

Amherst College, Amherst, Mass.

RUFUS B. KELLOG UNIVERSITY FELLOWSHIP, for study and research. Original fund, \$30,000. Septennially available, \$2,000.

Arizona, University of, Tucson, Arizona.

BUREAU OF MINES FELLOWSHIPS (2), for research in mining, metallurgy or geology in cooperation with the U. S. Bureau of Mines. Established, 1916. Annually available, \$750 each.

Brown University, Providence, R. I.

ARNOLD BIOLOGICAL FELLOWSHIP, for research in biology. Original fund, \$10,000. Annually available, \$500.

E. I. DU PONT DE NEMOURS AND COMPANY FELLOWSHIP FOR RESEARCH IN CHEMISTRY. Annually available, \$750.

EMMA JOSEPHINE AYER ARNOLD ARCHAEOLOGICAL FELLOWSHIP, for research in archaeology. Original fund, \$10,000. Annually available, \$500.

MORGAN EDWARDS FELLOWSHIP, for original research in any department of knowledge. Original fund, \$10,000. Biennially available, \$1,000.

Bryn Mawr College, Bryn Mawr, Pa.

HELEN SCHAEFFER HUFF MEMORIAL RESEARCH FELLOWSHIP, for research in either physics or chemistry. Established, 1913. Annually available, \$1,200.

MARY E. GARRETT EUROPEAN FELLOWSHIP, for study and research in a European university. Established, 1894. Annually available, \$500.

PRESIDENT M. CAREY THOMAS FELLOWSHIP, for study and research in a European university. Established, 1896. Annually available, \$500.

RESEARCH FELLOWSHIP, for research in chemistry. Established, 1907. Annually available, \$530.

RESIDENT RESEARCH FELLOWSHIP, for research in archaeology. Established, 1909. Annually available, \$530.

RESIDENT RESEARCH FELLOWSHIP, for research in biology. Established, 1885. Annually available, \$530.

RESIDENT RESEARCH FELLOWSHIP, for research in chemistry. Established, 1893. Annually available, \$530.

RESIDENT RESEARCH FELLOWSHIP, for research in geology. Established, 1912. Annually available, \$530.

RESIDENT RESEARCH FELLOWSHIP, for research in mathematics. Established, 1885. Annually available, \$530.

RESIDENT RESEARCH FELLOWSHIP, for research in physics. Established, 1896. Annually available, \$530.

RESIDENT RESEARCH FELLOWSHIP, for research in psychology. Established, 1915. Annually available, \$530.

RESIDENT RESEARCH FELLOWSHIP, for research in psychology. Established, 1896. Annually available, \$530.

California Institute of Technology, Pasadena, Calif.

TEACHING FELLOWSHIPS IN CHEMISTRY (6), for teaching, study and research in chemistry. Established, 1917 and 1919. Annually available, \$750 each.

FELLOWSHIPS (3) for physical and chemical research. Established, 1916. Annually available, \$1,000 each.

California, University of, Berkeley, Calif.

E. I. DU PONT DE NEMOURS AND COMPANY FELLOWSHIPS (2), for research in chemistry. Annually available, \$750.

JAMES ROSENBERG MEMORIAL SCHOLARSHIP, for research in agriculture. Annually available, \$600.

JAMES W. GEOWEY SCHOLARSHIP, for research in natural science. Established, 1904. Annually available, \$600.

JOHN W. MCKAY, JR., FELLOWSHIPS (2), for research in electrical engineering at the University of California. Annually available, \$600 each.

LECONTE MEMORIAL FELLOWSHIP, for research and study either at the University of California or elsewhere. Annually available, \$750.

LICK OBSERVATORY FELLOWSHIPS (3), for research in astronomy at Lick Observatory. Annually available, \$600 each.

MARTIN KELLOGG FELLOWSHIP, for research in astronomy in the Lick Observatory. Annually available, \$1,200.

UNIVERSITY FELLOWSHIPS (8), for research in a chosen subject. Annually available, \$500 each.

WHITING FELLOWSHIPS (2), for research in physics either here or abroad. Established, 1895. Original fund, \$20,000. Present fund, \$26,350. Annually available, \$600 each.

Carnegie Institute of Technology, Pittsburgh, Pa.

BUREAU OF PERSONNEL RESEARCH FELLOWSHIPS (4 or more \$300 to \$600 each, 4 research positions \$1,500 to \$6,000 each), to stimulate research in the application of psychology to personnel problems of business and industry and to train men and women in applied psychology. Established, 1916. Original fund, \$15,000. Present fund, \$22,000. Annually available, \$15,000 for five years.

Case School of Applied Science, Cleveland, Ohio.

DRURY FELLOWSHIPS (6), for engineering study. Established, 1917. Annually available, \$500 each.

INDUSTRIAL FELLOWSHIPS, for investigation of a scientific or technical subject which may be of interest to a manufacturer giving a fellowship.

WALLACE CLEMENT SABINE RESEARCH FELLOWSHIP IN ACOUSTICS, to encourage investigation in acoustics. Established, 1919. Annually available, \$1,000.

Chicago, University of, Chicago, Ill.

E. I. DU PONT DE NEMOURS AND COMPANY FELLOWSHIP, for research in chemistry. Established, 1918. Annually available, \$750.

EDITH BARNARD MEMORIAL FELLOWSHIP, for research in chemistry. Established, 1915. Present fund, \$3,000. Annually available, \$156.

GUSTAVUS F. SWIFT FELLOWSHIP, for research in chemistry. Established, 1908. Present fund, \$17,809. Annually available, \$920.

GYPHUM INDUSTRIAL ASSOCIATION RESEARCH FELLOWSHIPS (2), for investigations of value of gypsum and other sulphur compounds as fertilizers. Established, 1919. Annually available, \$750.

HOME ECONOMICS FELLOWSHIP, for research in nutrition or related fields. Established, 1919. Annually available, \$600.

HOSKINS FELLOWSHIP, for research in chemistry. Established, 1919. Annually available, \$400.

JOSEPH LOEWENTHAL FELLOWSHIP, for research in chemistry. Established, 1900. Present fund, \$10,000. Annually available, \$400.

LOGAN RESEARCH FELLOWSHIPS (2), one for research in bacteriology, one in medicine. Established, 1917. Present fund, \$52,500. Annually available, \$3,000.

UNIVERSITY FELLOWSHIPS, to encourage research in any department of the University. Present fund, \$21,100. Annually available, \$120 to \$520 each.

Cincinnati, University of, Cincinnati, Ohio.

E. I. DU PONT DE NEMOURS AND COMPANY FELLOWSHIP, for research in chemistry. Annually available, \$750.

Columbia University, New York City.

ABRAM DUBOIS MEMORIAL FELLOWSHIP, for research in the diseases of the eye. Restricted to graduates of the College of Physicians and Surgeons. Established, 1910. Present fund, \$18,000. Annually available, \$900.

BARNARD FELLOWSHIP, for research in physical science at Columbia or elsewhere. Established, 1889. Present fund, \$10,000. Triennially available, \$1,350.

BLUMENTHAL FELLOWSHIP, for research in medicine and surgery. Established, 1909. Annually available, \$1,000.

CAROLINE DUROR MEMORIAL GRADUATE FELLOWSHIP, for graduate showing most distinction in her chosen line. Established, 1912. Annually available, \$600.

CLARK SCHOLARSHIP, for promoting the discovery of new facts in medical science. Established, 1894. Present fund, \$14,932.75. Annually available, \$672.

COOLIDGE FELLOWSHIPS (2), for research in medicine. Established, 1918. Original fund, \$2,500. Annually available, \$1,250 each.

E. I. DU PONT DE NEMOURS AND COMPANY FELLOWSHIP, for research in chemistry. Annually available, \$750.

ERNEST KEMPTON ADAMS RESEARCH FELLOWSHIP, for research in the

physical sciences, or in their practical applications, at Columbia or elsewhere. Established, 1904. Present fund, \$50,000. Annually available, \$1,250.

GOLDSCHMIDT FELLOWSHIP, for research in chemistry. Established, 1908. Present fund, \$16,350. Annually available, \$736.47 (1920-21).

GOTTSBERGER FELLOWSHIP, for graduate students desiring to pursue their studies abroad. Awarded biennially.

MARIA MCLEAN PROUDFIT FELLOWSHIP, for advanced studies in internal medicine. Established, 1899. Quadrennially available, \$1,237.50.

NATIONAL BISCUIT COMPANY FELLOWSHIP, for industrial research. Established, 1918. Original fund, \$2,400.

PLAUT FELLOWSHIP, for research in pharmacy abroad. Established, 1915. Annually available, \$500.

SAMUEL FRANKLIN EMMONS MEMORIAL FELLOWSHIP, for research in economic geology. Established, 1913. Present fund, \$13,923.27. Annually available, \$626.54 (1920-21).

SAMUEL WILLARD BRIDGAM FELLOWSHIP, for research in applied science. Established, 1915. Present fund, \$21,000. Annually available, \$983.25.

TROWBRIDGE FELLOWSHIP, for research in engineering. Established, 1893. Present fund, \$10,000. Annually available, \$500.

TYNDALL FELLOWSHIP, for research in physics. Established, 1885. Original fund, \$10,945. Triennially available, \$972.

UNIVERSITY FELLOWSHIPS (12), for study and original investigation. Established, 1891. Annually available, \$750 each.

WILLIAM BAYARD CUTTING TRAVELING FELLOWSHIPS, for graduate students who have given evidence of ability to make contribution of value to letters, science, law, medicine or fine arts. Annually available, \$1,000. Open to men who have been graduate students for one academic year, and to graduates of the University. May be held in the United States or abroad.

WILLIAM MITCHELL FELLOWSHIP, for research in letters and science at Columbia or elsewhere. Established, 1908. Present fund, \$10,000. Annually available, \$450.

Cornell University, Ithaca, N. Y.

CHARLES BULL EARLE MEMORIAL FELLOWSHIP, for research in mechanical and electrical engineering. Established, 1920. Present amount, \$10,000. Annual amount available, \$500.

CHARLES L. SHELDON FELLOWSHIPS, for research in clinical medicine. Established, 1912. Annually available, \$200 each.

E. I. DU PONT DE NEMOURS FELLOWSHIP, for research in chemistry. Established, 1919. Annually available, \$750.

EDGAR J. MEYER MEMORIAL FELLOWSHIP, for research in engineering. Established, 1913. Present fund, \$10,000. Annually available, \$541.

ELON H. HOOKER FELLOWSHIP, for research in hydraulic engineering. Established, 1919. Original fund, \$8,500. Annually available, \$400.

GRASSELLI FELLOWSHIP, for research in chemistry. Established, 1920. Annually available, \$750.

J. METCALF POLK FELLOWSHIP, for research in pathology. Established, 1919. Annually available, \$250.

SEVEN INDUSTRIAL FELLOWSHIPS, for research in agricultural subjects. Annually available, \$1,000 each.

SIMON HENRY GAGE FELLOWSHIP, for research in animal biology. Established, 1916. Present fund, \$3,435. Annually available, \$176.

There are several fellowships at Cornell which are not strictly for research, but any of which may be devoted to investigation or research.

Harvard University, Cambridge, Mass.

ARTHUR TRACY CABOT FELLOWSHIP, for the advancement of surgery in this country or elsewhere. Established, 1913. Original fund, \$25,000. Annually available, \$800.

BULLARD FELLOWSHIPS (3), for original investigation in medical science. Established, 1891. Original fund, \$15,000. Annually available, \$275 (2), \$300 (1).

CENTRAL AMERICAN ARCHAEOLOGY FELLOWSHIP, for research in archaeology. Established, 1907. Unrestricted. Annually available, \$650.

CHRISTOPHER WELD FELLOWSHIP, for research in any subject. Restricted to Harvard students. Annually available, \$550.

E. I. DU PONT DE NEMOURS AND COMPANY FELLOWSHIP, for research in chemistry. Annually available, \$750.

EDWARD AUSTIN FELLOWSHIPS (4), for research in any subject. Restricted to residents of Cambridge. Annually available, \$550 each.

EDWARD HICKLING BRADFORD FELLOWSHIP, for medical research. Established, 1918. Original fund, \$25,000. Annually available, \$1,125.

EDWARD HOPPER FELLOWSHIP, for research in any subject. Unrestricted. Annually available, \$1,200.

EDWARD C. PICKERING FELLOWSHIP FOR WOMEN, in astronomy. Annually available, \$459.22.

FRANCIS PARKMAN FELLOWSHIP, for research in any subject. Unrestricted. Annually available, \$500.

FREDERICK SHELDON FUND FOR TRAVELING FELLOWSHIPS, for further study or investigation, in this country or abroad. Restricted to Harvard students. Established, 1909. Original fund, \$346,458.70. Present fund, \$438,746. Annually available, \$21,595.

GEORGE H. EMERSON SCHOLARSHIPS, for research in zoölogy, geology, mineralogy and chemistry. Established, 1903. Original fund, \$20,-656.20. Present fund, \$37,761.17. Annually available, \$400 each.

HARRIS FELLOWSHIP, for research in science (not medicine). Restricted to Harvard graduates residing in Cambridge. Established, 1868. Annually available, \$550.

HARVARD FELLOWSHIP IN THE INTERNATIONAL SCHOOL OF AMERICAN ARCHAEOLOGY AND ETHNOLOGY, Mexico City. Established, 1911. Annually available, \$650.

HEMENWAY FELLOWSHIP, for study of American archaeology and ethnology. Restricted to Harvard students. Established, 1891. Original fund, \$10,000. Present fund, \$13,488.98. Annually available, \$625.

HENRY P. WALCOTT FELLOWSHIP, for clinical research and teaching. Established, 1910. Annually available, \$1,200.

HUMBOLDT SCHOLARSHIP, for the study of zoölogy. Unrestricted. Established, 1869. Present fund, \$8,917.57. Annually available, \$437.03.

JAMES JACKSON CABOT FELLOWSHIP, for aid and encouragement to practical work in scientific medicine. Established, 1906. Original fund, \$6,000. Present fund, \$13,100. Annually available, \$638.

JOHN KIRKLAND FELLOWSHIP, for research in any subject. Restricted to Harvard students. Annually available, \$500.

JOHN TYNDALL SCHOLARSHIP, for research in physics. Unrestricted. Established, 1885. Original fund, \$10,800. Present fund, \$14,184. Annually available, \$625.

JOHN WHITE BROWNE SCHOLARSHIP, for research in medicine. Established, 1918. Annually available, \$900.

MARIA MITCHELL FELLOWSHIP, for research in astronomy. Annually available, \$581.33.

PARKER FELLOWSHIPS (4), for research in any science. Restricted to Harvard students. Annually available, \$750 each.

PHILIP H. SEARS FELLOWSHIP, for research in psychology. Established, 1914. Annually available, \$750.

PRINCETON FELLOWSHIP, for research in any subject. Restricted to Princeton graduate. Annually available, \$500.

THAW FELLOWSHIP, for research relating to the Indian race of America or other ethnological and archaeological investigations. Established, 1890. Present fund, \$30,202.92. Annually available, \$1,204.

VIRGINIA BARRET GIBBS SCHOLARSHIP, for research in zoölogy. Established, 1892. Present fund, \$7,168.77. Annually available, \$349.18.

WHITING FELLOWSHIPS (4), for research in physics. Established, 1895. Original fund, \$20,000. Annually available, \$350.

WILLIAM WATSON GOODWIN FELLOWSHIP, for research in archaeology. Established, 1915. Original fund, \$17,520. Annually available, \$650.

WINTHROP SCHOLARSHIP, for the study of archaeology and ethnology. Established, 1895. Original fund, \$5,000. Present fund, \$7,422.50. Annually available, \$325.

Hawaii, University of, Honolulu, Hawaii.

HAWAIIAN PINEAPPLE PACKERS' ASSOCIATION FELLOWSHIP, for research in problems connected with the growing of pineapples. Established, 1920. Annually available, \$1,200 for three years.

TEACHING FELLOWSHIP, for research work in either botany or zoölogy. Established, 1920. Annually available, \$750.

Idaho, University of, Moscow, Idaho.

UNITED STATES BUREAU OF MINES FELLOWSHIP (2-4), for research in mining under direction of the Bureau of Mines. Established, 1917. Annually available, \$900 each.

Illinois, University of, Urbana, Ill.

CARR FELLOWSHIP, for research in chemistry. Established, 1919. Original fund, \$10,000. Present fund, \$10,000.

CORNING GLASS WORKS FELLOWSHIP, for research in chemistry. Established, 1920. Original fund, \$800. Annually available, \$800.

E. I. DU PONT DE NEMOURS AND COMPANY FELLOWSHIP, in chemistry. Present fund, \$15,000. Annually available, \$750.

GRADUATE RESEARCH ASSISTANTSHIPS (14), for research in problems of special importance to engineering, to manufacturing, railroad, mining and industrial interests and stimulation and elevation of engineering education. Annually available, \$500 each.

UNITED STATES BUREAU OF MINES FELLOWSHIP, for research in mining under the direction of the Bureau of Mines.

Indiana, University of, Bloomington, Ind.

LAWRENCE FELLOWSHIP, for research in astronomy. Annually available, \$600 plus traveling expenses to the Observatory at Flagstaff, Arizona, plus furnished room at Observatory.

SPECIAL FELLOWSHIPS (3), for men of exceptional ability and merit who may or may not have the Ph.D. degree. Annually available, \$1,000 to \$1,500.

UNIVERSITY FELLOWSHIPS, for research in any department of the University. Annually available, \$300-\$500.

Iowa State College of Agriculture and Mechanic Arts, Ames, Iowa.

GRADUATE FELLOWSHIPS AND SCHOLARSHIPS, to promote graduate study and research. Annually available, scholarships, \$200, teaching fellow-

ships, \$400, junior research fellowships, \$300, senior research fellowship, \$500.

RESEARCH FELLOWSHIPS, for research in American agricultural history, with special reference to its economic phases. Annually available, \$400. SPECIAL RESEARCH AND INDUSTRIAL FELLOWSHIP, for study of special industrial problems.

TEACHING AND RESEARCH FELLOWSHIPS AND SCHOLARSHIPS, for research in the department of agriculture. Annually available, \$200-\$500 each.

Iowa, University of, Iowa City, Iowa.

NO FIXED FELLOWSHIPS, but given for research in any desired field, preference given to large projects. Present fund, about \$48,000. Annually available, research associate, \$800 up, research assistant, \$500 up, senior fellow, 4 at \$600, junior fellow, 2 at \$300.

WELFARE RESEARCH STATION, a limited number of half time research assistantships are given, and one or two temporary appointments of larger salary. Annually available, \$600 to \$1,000.

Johns Hopkins University, Baltimore, Md.

BRUCE FELLOWSHIP, for research in biology. Established, 1887. Original fund, \$10,000. Annually available, \$450.

E. I. DU PONT DE NEMOURS AND COMPANY FELLOWSHIPS (2), for research in chemistry. Established, 1918. Original fund, \$1,500. Annually available, \$750.

GEORGE HUNTINGTON WILLIAMS MEMORIAL FELLOWSHIP, for research in geology. Established, 1916. Original fund, \$10,000. Annually available, \$500.

GRAFFLIN SCHOLARSHIPS, for research in industrial chemistry. Established, 1915. Annually available, \$1,000.

JOHNSTON FELLOWSHIPS (3), for research in a chosen subject. Established, 1904. Original fund, \$90,000. Annually available, \$1,200.

RESEARCH FELLOWSHIPS (6), for investigation in hygiene and public health. Established, 1916. Annually available, \$6,000.

Kansas State Agricultural College, Manhattan, Kansas.

FELLOWSHIPS, for research in agronomy, animal husbandry, dairy husbandry, poultry husbandry, food economy and nutrition, bacteriology, botany. Annually available, \$450 each.

FELLOWSHIPS (2), for research in engineering. Annually available, \$400 each.

KANSAS FLOUR MILLS COMPANY FELLOWSHIP, to advanced students specializing in the milling industry. Annually available, \$300.

Lafayette College, Easton, Pa.

EDWARD HART FELLOWSHIP, for research work on problems connected

with viscous and plastic flow. Restricted to students in chemistry holding bachelor's degree. Established, 1919. Original fund, \$10,000. Annually available, \$500.

Lehigh University, Bethlehem, Pa.

E. I. DU PONT DE NEMOURS AND COMPANY FELLOWSHIP, for research in chemistry. Annually available, \$750.

Leland Stanford Jr. University, Stanford, Calif.

BUCKEL FELLOWSHIP, for the study of backward and feeble-minded children. Established, 1914. Annually available, \$1,000 (\$500 from Buckel estate and \$500 from the University).

SPERRY FLOUR INVESTIGATIONS FELLOWSHIP. Established, 1919. Annually available, \$750.

TEACHING FELLOWSHIPS, for research in chemistry (2). Established, 1917. Annually available, \$600 each.

THOMAS WELTON STANFORD FELLOWSHIP, for psychical research. Annually available, \$2,000.

UNIVERSITY FELLOWSHIPS (8), for research in any subject. Established, 1920. Annually available, \$750 each.

Maryland, University of, College Park, Md.

UNIVERSITY FELLOWSHIPS, for study and research. Annually available, \$500-\$720.

Massachusetts Institute of Technology, Cambridge, Mass.

AUSTIN RESEARCH FELLOWSHIPS (2), for research in a chosen subject. Annually available, \$500 and tuition for each.

E. I. DU PONT DE NEMOURS AND COMPANY FELLOWSHIP, for research in chemistry. Annually available, \$750.

MALCOLM COTTON BROWN FELLOWSHIP, for study of physics. Present fund, \$10,000. Annually available, \$500.

MOORE SCHOLARSHIP FUND, for study of organic chemistry in Europe. Awarded from time to time. Annually available when awarded, \$250.

Mellon Institute, Pittsburgh, Pa.

INDUSTRIAL FELLOWSHIPS (1919-1920, 47), for research in industrial problems. Established, 1911. Original fund, \$39,700. Present fund, \$293,680.

Michigan, University of, Ann Arbor, Michigan.

ACME WHITE LEAD AND COLOR WORKS FELLOWSHIP IN PAINT AND VARNISH MANUFACTURE, for the study of problems connected with the manufacture of paints and varnishes. Established, 1911. Annually available, \$750.

BRAUN FELLOWSHIP, for research in any subject. Unrestricted. Annually available, \$500.

COLE FELLOWSHIP, for research in botany. Restricted to Michigan graduates. Annually available, \$600.

DETROIT EDISON COMPANY FELLOWSHIP, for investigation of approved subjects relative to moderate cost of country roads. Established, 1915. Annually available, \$300.

E. I. DU PONT DE NEMOURS AND COMPANY FELLOWSHIP, for research in chemistry. Annually available, \$750.

FREDERICK STEARNS AND COMPANY FELLOWSHIP, for research in pharmacy. Annually available, \$500.

NATIONAL ANILINE AND CHEMICAL COMPANY FELLOWSHIPS (2), for research in chemistry. Annually available, \$750 each.

ROY D. CHAPIN FELLOWSHIPS (2), for research in highway engineering, particularly directed towards the state of road surfaces. Established, 1916. Annually available, \$300.

UNITED STATES RUBBER PLANTATIONS INCORPORATED FELLOWSHIP, for research in rubber produce. Annually available, \$1,200.

UNIVERSITY FELLOWSHIPS (15), for research in any subject. Unrestricted. Annually available, \$300 (10), \$500 (5).

WHITTIER FELLOWSHIP, for research in botany. Unrestricted. Annually available, \$200.

RIC-WIL FELLOWSHIP, for research in heat transmission. Annually available, \$600.

Minnesota, University of, Minneapolis, Minn.

SHEVLIN FELLOWSHIPS (4), for research in agriculture (1), chemistry (1), medicine (1), and one in any subject. Annually available, \$500 each.

E. I. DU PONT DE NEMOURS AND COMPANY FELLOWSHIP, for research in chemistry. Annually available, \$750.

New York University, New York City.

CHRISTIAN A. HERTER RESEARCH FELLOWSHIP, for research in chemical pathology, physiological chemistry or pharmacology. Established, 1903. Original fund, \$6,000. Annually available, \$300.

SAMUEL BROWNE DURVEA FELLOWSHIP, for research in engineering. Established, 1895. Original fund, \$4,350. Annually available, \$200.

WILLIAM A. INMAN FELLOWSHIP, for research in science. Established, 1890. Original fund, \$5,000. Annually available, \$200.

North Carolina, University of, Chapel Hill, N. C.

E. I. DU PONT DE NEMOURS AND COMPANY FELLOWSHIP, for research in chemistry. Annually available, \$750.

North Dakota University, University, N. D.

GRADUATE FELLOWSHIPS (3), for original research in any department of the University. Annually available, \$300.

INDUSTRIAL FELLOWSHIP, for research in solution of problems connected with the development of the resources and industries of the state. Annually available, \$400.

Northwestern University, Evanston, Ill.

GRADUATE SCHOLARSHIPS, for research in any department. Restricted to graduate students. Annually available, \$3,600 (10 at \$300, 6 at \$100).

MARCY SCHOLARSHIP, for research in biology (rent of research table at the Marine Biological Laboratory, Woods Hole, Mass.). Original fund, \$1,000. Annually available, \$50.

JAMES A. PATTEN FELLOWSHIPS (4), for research in medical science. Restricted to university students. Established, 1910. Original fund, \$50,000. Present fund, \$50,000. Annually available, \$2,000 (4 at \$500 each).

Oberlin College, Oberlin, Ohio.

MARY MCKENZIE LINCOLN SCHOLARSHIP, for research table at Marine Biological Laboratory, Woods Hole, Mass. Established, 1917. Original fund, \$1,000. Annually available, \$40.

E. I. DU PONT DE NEMOURS AND COMPANY FELLOWSHIP, for research in chemistry. Annually available, \$750.

Ohio State University, Columbus, Ohio.

E. I. DU PONT DE NEMOURS AND COMPANY FELLOWSHIP, for research in chemistry. Annually available, \$750.

SCHOLARSHIPS AND FELLOWSHIPS, for graduate study and research. Annually available, Scholarships \$250; Fellowships \$500.

STILLMAN W. ROBINSON FELLOWSHIP, for the encouragement of graduate research in engineering. Annually available, \$500.

Pennsylvania, University of, Philadelphia, Pa.

BENNET FELLOWSHIP, for research in any subject. Restricted to women. Annually available, \$225.

E. I. DU PONT DE NEMOURS AND COMPANY FELLOWSHIP, for research in chemistry. Annually available, \$750.

FRAZER FELLOWSHIP, for research in physics. Restricted to resident at University. Annually available, \$500.

HARRISON FELLOWSHIPS (8), for research in any subject. Restricted to resident at University. Annually available, \$100.

HARRISON FELLOWSHIPS (19), for research in any subject. Annually available, \$500.

HARRISON RESEARCH FELLOWSHIPS (5), for research in any subject. Restricted to residents of Philadelphia. Annually available, \$800 each.

HENRIETTA HECKSHER FELLOWSHIP, for research in medicine. Established, 1913. Annually available, \$500.

MOORE FELLOWSHIPS (2), for research in any subject at University. Annually available, \$200 each.

PEPPER FELLOWSHIP, for research in any subject at University. Annually available, \$225.

ROBERT M. GIRVIN FELLOWSHIP, for research in medical sciences. Established, 1913. Annually available, \$650.

ROBERT ROBINSON PORTER FELLOWSHIP, for research in medical sciences. Established, 1912. Annually available, \$600.

SAMUEL DIXON FELLOWSHIP, for research in bacteriology.

THOMAS A. SCOTT FELLOWSHIP, for research in hygiene. Established, 1892. Annually available, \$1,000.

TYNDALL FELLOWSHIP, for research in physics. Unrestricted. Annually available, \$500.

WISTAR INSTITUTE OF ANATOMY AND BIOLOGY FELLOWSHIPS, for research in anatomy and biology.

WOODWARD FELLOWSHIP, for research in physiological chemistry.

Princeton University, Princeton, N. J.

CHARLOTTE ELIZABETH PROCTOR FELLOWSHIPS, (10) in graduate school. Established, 1912. Original fund, \$300,000. Annually available, minimum of \$1,000 each.

CLASS OF 1860 EXPERIMENTAL SCIENCE FELLOWSHIP, for research in science. Established, 1870. Original fund, \$10,000. Annually available, \$600.

CLASS OF 1877 UNIVERSITY FELLOWSHIP, for research in biology. Established 1904. Annually available, \$400.

CLASS OF 1883 UNIVERSITY FELLOWSHIPS (2), for research in the department of politics, physics, chemistry, biology or geology. Established, 1910. Original fund, \$30,000. Annually available, \$600 each.

E. I. DU PONT DE NEMOURS AND COMPANY FELLOWSHIP, for research in chemistry. Annually available, \$750.

E. M. BIOLOGICAL FELLOWSHIP, for the use of a table in the Laboratory of the U. S. Bureau of Fisheries at Woods Hole, Mass.

FRANCIS HINTON MAULE BIOLOGICAL FELLOWSHIP, for research in biology. Established, 1901. Present fund, \$10,000. Annually available, \$500.

HARVARD FELLOWSHIP, for research in chemistry. Established, 1905. Original fund, \$10,000. Annually available, \$500.

J. S. K. MATHEMATICAL FELLOWSHIP, for research in mathematics. Established, 1873. Original fund, \$11,000. Present fund, \$24,150. Annually available, \$1,100.

JAMES W. QUEEN GRADUATE SCHOLARSHIP, for research in physics. Established, 1908. Original fund, \$5,000.

ORSON DESAIX MUNN UNIVERSITY FELLOWSHIP, for research in electrical engineering. Established, 1908. Present fund, \$10,000.

PORTER OGDEN JACOBUS FELLOWSHIP, for research in any subject desired. Original fund, \$25,000. Annually available, \$1,000.

SAYRE FELLOWSHIP IN APPLIED ELECTRICITY. Annually available, \$600.

THAW FELLOWSHIP, for research in astronomy. Established 1896. Original fund, \$10,000. Annually available, \$500.

UNIVERSITY FELLOWSHIPS, to encourage advanced study and promote original research in the several departments to which they are assigned. Annually available, approximately \$30,000.

Rensselaer Polytechnic Institute, Troy, N. Y.

RUSSELL SAGE, 2d, MEMORIAL FELLOWSHIPS (2). Annually available, \$600 each.

Rutgers College, New Brunswick, N. J.

ALDUNATE-BASCUNAN CHILEAN NITRATE RESEARCH FELLOWSHIP, for investigations of the factors which influence the transformation and utilization of nitrate nitrogen in the soil; also study of factors which are responsible for the differences in the recovery of nitrate nitrogen by different crops and under varying seasonal and soil conditions. Established, 1917. Original fund, \$2,000. Annually available, \$900.

ALFRED H. COWLES FELLOWSHIP, for research on the functions and value of calcium silicate in plant production. Established, 1920. Annually available, \$300.

ALPHANO-HUMUS COMPANY FELLOWSHIP, for research on the value of peat and other organic matter as a source of energy for the fixation of nitrogen by azotabacter. Established, 1920. Annually available, \$1,200. AMERICAN CYANAMID FELLOWSHIP, for research on the value of ammonium phosphates as a source of plant-food. Established, 1920. Annually available, \$1,800.

AMMONIUM SULPHATE RESEARCH FELLOWSHIP, for research in the value of ammonium sulphate as a source of nitrogen to vegetation; investigations in the availability of nitrogen in ammonium sulphate; function of sulphur in ammonium sulphate; field and pot experiments to determine the changes which this substance undergoes in the soil and the chemical and biological changes produced by its application. Established, 1919. Annually available, \$900.

COMMONWEALTH FERTILIZER COMPANY FELLOWSHIP, for research in the value of calcined phosphates as a source of available phosphorus for plant production. Established, 1920. Annually available, \$1,500.

INTERNATIONAL SALT COMPANY FELLOWSHIP, to study the possible value of common salt in making available potash and other mineral plant-food in the soil. Established, 1917. Annually available, \$600.

LIPMAN FELLOWSHIPS (2), to study problems relating to the place and functions of sulfur in the plant world. Established, 1920. Annually available, \$1,200 each.

NEW JERSEY ZINC COMPANY ZINC OXIDE RESEARCH FELLOWSHIP, to study the fungi responsible for the deterioration of paints on the interior walls of greenhouses and other buildings. Established, 1916. Annually available, \$1,000.

YARDLEY CHEMICAL CORPORATION FELLOWSHIP, for research on the value of certain disinfectants for controlling animal diseases. Established, 1920. Annually available, \$900.

Smith College, Northampton, Mass.

FELLOWSHIPS (6). Restricted to alumnae or member of the Smith college faculty. Annually available, \$500 each.

Texas, University of, Austin, Tex.

UNIVERSITY FELLOWSHIPS AND SCHOLARSHIPS (20), to promote higher scholarship and research in the college of arts and graduate department. Established, 1913. Annually available, 5 University fellowships, \$200 each; 10 University scholarships, \$100 each; 5 University advanced fellowships, \$300 each.

Utah, University of, Salt Lake City, Utah.

FELLOWSHIPS, for research in chemistry. Annually available, \$2,800.

FELLOWSHIPS, for research in engineering. Annually available, \$700.

Vassar College, Poughkeepsie, N. Y.

GRADUATE FELLOWSHIPS (4 non-resident). Unrestricted. Established, 1911. Annually available, \$500.

MARY RICHARDSON AND LYDIA PRATT BABBOTT FELLOWSHIP, for study and research. Established, 1895. Annually available, \$400.

SUTRO FELLOWSHIPS (2), for graduate study and research. Established, 1914. Original fund, \$20,000. Annually available, \$500 each.

VASSAR STUDENTS AID SOCIETY FELLOWSHIPS, for graduate study and research. Established, 1905. Original fund, \$10,800.

Virginia, University of, Charlottesville, Va.

ADAMS FELLOWSHIP FROM COLUMBIA UNIVERSITY, for research in the determination of stellar parallax by photography in the Leander McCormick Observatory. Annually available, \$1,000 for 5 years.

E. I. DU PONT DE NEMOURS AND COMPANY FELLOWSHIP, for research in chemistry. Annually available, \$750.

Washington, State College of, Pullman, Wash.

RESEARCH ASSISTANT, for research in the School of Mines. Annually available, \$100 to \$750

RESEARCH ASSISTANTS (4), for research in agriculture. Annually available, \$100 to \$750.

RESEARCH FELLOWSHIP, for research in engineering at the Engineering Experiment Station. Annually available, \$100 to \$750.

RESEARCH FELLOWSHIPS (2), for research in botany. Annually available, \$100 to \$750.

Washington, University of, Seattle, Wash.

COLUMBIA UNIVERSITY FELLOWSHIP, for research in mining, engineering and chemistry. Established, 1917. Annually available, \$250.

FELLOWSHIPS IN COLLEGE OF MINES, in coöperation with the U. S. Bureau of Mines. Established, 1917. Annually available, \$720.

MARS FELLOWSHIP, for research in astronomy. Established, 1917. Annually available, \$600.

UNIVERSITY FELLOWSHIPS (3), for research in all departments. Established, 1909. Original fund, \$25,000. Annually available, \$1,250 each.

Washington University, St. Louis, Mo.

GENERAL SURGICAL FELLOWSHIPS, not definitely established, but with an amount varying with the experience of the applicant. Available, 1920-21, \$900.

MEDICAL FELLOWSHIPS (2), for research in medical department. Annually available, \$1,000.

RUFUS J. LACKLAND FELLOWSHIPS (5 for research, 2 for teaching), for research and teaching. Restricted to students who show a decided fitness for research. Established, 1909 and 1910. Annually available, \$500 each.

SURGICAL FELLOWSHIP, for special neurological work. Established, 1916. Annually available, \$1,200.

Wellesley College, Wellesley, Mass.

ALICE FREEMAN PALMER FELLOWSHIP, for study abroad, for study at any American College or University, or privately for independent research. Established, 1903. Annually available, \$1,000.

SCHOLARSHIP AT THE ZOÖLOGICAL STATION IN NAPLES, for research in botany, zoölogy or physiology.

Western Reserve University, Cleveland, Ohio.

GEORGE W. CRILE FELLOWSHIP, for medical research in surgery, within or without the University. Established, 1920. Original fund, \$100,000. Annually available, \$5,000.

HANNA FELLOWSHIP, for medical research. Established, 1909. Present fund, \$12,180. Annually available, \$594.

Williams College, Williamstown, Mass.

HORACE F. CLARK PRIZE SCHOLARSHIPS, to be awarded for superior

scholarship, general ability and interest in scholarly research. Annually available, \$1,000 (2 at \$500 each or 1 at \$1,000).

Wisconsin, University of, Madison, Wis.

A. J. HORLICK SCHOLARSHIP IN AGRICULTURE, for special research on some phase of inheritance of disease resistance in plants. Established, 1915. Annually available, \$250.

AMERICAN PHARMACEUTICAL ASSOCIATION SCHOLARSHIP, for research in pharmacy. Annually available, \$250.

CUTLER-HAMMER MANUFACTURING COMPANY OF MILWAUKEE FELLOWSHIP, for research in physics. Annually available, \$500.

E. I. DU PONT DE NEMOURS AND COMPANY FELLOWSHIP, for research in chemistry. Annually available, \$750.

FRITZSCHE BROTHERS FELLOWSHIP, for research in problems relating to the cultivation of the Monardas, in the distilling of monarda oil and its use in the manufacture of thymol. Established, 1917. Annually available, \$500.

HOLLISTER FELLOWSHIP, for research in pharmacy. Restricted to graduate students in the department of pharmacy. Established, 1914. Original fund, \$10,328. Annually available, \$562.53.

NATIONAL FERTILIZER ASSOCIATION INDUSTRIAL FELLOWSHIP, for research in soils. Established, 1919. Annually available, \$2,000 for three years.

SPECIAL FELLOWSHIP OF INSECTICIDE COMPANIES, for research in economic entomology. Annually available, \$600.

STUDENT RESEARCH ASSISTANTSHIPS, for research assistants in forest products laboratory. Annually available, \$300 each.

UNIVERSITY FELLOWSHIPS, for promoting higher scholarship and research in the several departments. Annually available, \$500 each.

WISCONSIN GAS ASSOCIATION INDUSTRIAL FELLOWSHIP, for research in chemical engineering. Annually available, \$500.

Yale University, New Haven, Conn.

BISHOP MUSEUM FELLOWSHIPS (2), for research in anthropology, botany, zoölogy, geology or geography. Established, 1920. Annually available, \$1,000 each.

DANA FELLOWSHIP, for research in geology. Established, 1912. Annually available, \$500.

E. I. DU PONT DE NEMOURS AND COMPANY FELLOWSHIP, for research in chemistry. Annually available, \$750.

EATON SCHOLARSHIP, for research in botany. Established, 1897. Original fund, \$2,000. Annually available, \$195.

HENRY BRADFORD LOOMIS FELLOWSHIP, for research in chemistry. Established, 1905. Original fund, \$10,000. Annually available, \$465.

HUNTINGTON FELLOWSHIP, for research in geography. Established, 1920. Annually available, \$500.

IVES FELLOWSHIP, for research in philosophy and psychology. Established 1908. Original fund, \$10,000. Annually available, \$465.

JOHN SLOANE FELLOWSHIP, for research in physics. Established, 1889. Original fund, \$10,000. Annually available, \$465.

LOOMIS FELLOWSHIP, for research in physics. Established, 1902. Original fund, \$10,000. Annually available, \$465.

NATIONAL ANILINE AND CHEMICAL COMPANY FELLOWSHIP. Established, 1920. Annually available, \$750.

PAGE SCHOLARSHIP, for research in anthropology and the science of society. Established, 1901. Annually available, \$500.

SEESSEL UNIVERSITY FELLOWSHIPS (2), for original research in biological studies. Established, 1913. Original fund, \$43,500. Annually available, \$1,000 each.

UPJOHN COÖPERATIVE FELLOWSHIP, for research in organic chemistry. Established, 1919. Annually available, \$700.

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